

# Alkaline Phosphatase, Placental Like Protein 2 (ALPPL2) Recombinant Protein | ALPPL2 recombinant protein

Recombinant Alkaline Phosphatase, Placental Like Protein 2 (ALPPL2)

| CATALOG # | HOST   | REACTIVITY           | APPLICATIONS           |
|-----------|--------|----------------------|------------------------|
| AAA20260  | E.coli | Homo sapiens (Human) | SDS-Page, Western Blot |

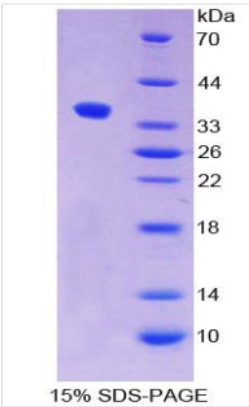
## PRODUCT SYNONYMS

Alkaline Phosphatase; Placental Like Protein 2 (ALPPL2); Recombinant Alkaline Phosphatase; ALPPL2 recombinant protein

## PRODUCT SPECIFICATIONS

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                   | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Reactivity                                             | Homo sapiens (Human)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Purity/Purification                                    | > 97%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Form/Format                                            | 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% skl, 5%Trehalose.                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Concentration                                          | Original Concentration: 120ug/mL (varies by lot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Sequence                                               | IIPVEEENPD FWNRQAAEAL GAAKKLQPAQ TAAKNLIIFL GDGMGVSTVT AARILKGQKK DKLGPEFLA<br>MDRFPYVALS KTYSVDKHVP DSGATATAYL CGVKGNFQTI GLSAAARFNQ CNTTRGNEVI SVMNRAKKAG<br>KSVGVTTR VQHASPAGAY AHTVNRNWYS DADVPASARQ EGCQDIATQL ISNMDIDVIL GGGRKYMFP<br>GTPDPEYDD YSQGGTRLDG KNLVQEWLAK HQGARYVWNR TELLQASLDP SVTHLMGLFE PGDMKYEIHR<br>DSTLDPSLME MTEAALLLS RNPRGFFLFV EGGR                                                                                                                                                                          |
| Applicable Applications for ALPPL2 recombinant protein | Positive Control, Immunogen, SDS-PAGE, WB (Western Blot)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Application Notes                                      | (May be suitable for use in other assays to be determined by the end user.)                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Source                                                 | Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Residues                                               | Ile20~Arg333                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Tags                                                   | N-terminal His Tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Subcellular Location                                   | Membrane                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Traits                                                 | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Predicted isoelectric point                            | 6.9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Usage                                                  | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Preparation and Storage                                | <p><b>Storage:</b><br/>Avoid repeated freeze/thaw cycles.<br/>Store at 2-8 degree C for one month.<br/>Aliquot and store at -80 degree C for 12 months.</p> <p><b>Stability Test:</b><br/>The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.</p> |

IMAGES



SDS-PAGE

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                 |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 157266296                                                                                                                                                                                                       |
| NCBI GeneID                      | 251                                                                                                                                                                                                             |
| NCBI Accession #                 | NP_112603.2                                                                                                                                                                                                     |
| NCBI GenBank Nucleotide #        | NM_031313.2                                                                                                                                                                                                     |
| UniProt Accession #              | P10696; Q16727; Q53S81; Q96CM1; A8KAF2                                                                                                                                                                          |
| Molecular Weight                 | Predicted Molecular Mass: 35.8kDa<br>Accurate Molecular Mass: 35kDa as determined by SDS-PAGE reducing conditions.                                                                                              |
| NCBI Official Full Name          | alkaline phosphatase, placental-like preproprotein                                                                                                                                                              |
| NCBI Official Synonym Full Names | alkaline phosphatase, placental-like 2                                                                                                                                                                          |
| NCBI Official Symbol             | ALPPL2                                                                                                                                                                                                          |
| NCBI Official Synonym Symbols    | ALPG; GCAP; ALPPL                                                                                                                                                                                               |
| NCBI Protein Information         | alkaline phosphatase, placental-like; ALP-1; Nagao isozyme; germ cell alkaline phosphatase; alkaline phosphatase Nagao isozyme; placental-like alkaline phosphatase; testicular and thymus alkaline phosphatase |
| UniProt Protein Name             | Alkaline phosphatase, placental-like                                                                                                                                                                            |
| UniProt Gene Name                | ALPPL2                                                                                                                                                                                                          |
| UniProt Synonym Gene Names       | ALPPL; GCAP; PLAP-like                                                                                                                                                                                          |
| UniProt Entry Name               | PPBN_HUMAN                                                                                                                                                                                                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/alpl2-recombinant-protein-e-coli-positive-control-immunogen-sds-page-wb-western-blot/20260>