

## BP-1 recombinant protein

Recombinant Human BP-1

|                              |                       |                                            |
|------------------------------|-----------------------|--------------------------------------------|
| CATALOG #<br><b>AAA38501</b> | HOST<br><b>E Coli</b> | APPLICATIONS<br><b>Western Blot, ELISA</b> |
|------------------------------|-----------------------|--------------------------------------------|

### PRODUCT SYNONYMS

BP-1; Recombinant Human BP-1; BP-1 Human; BP-1 Human Recombinant; Homeobox protein DLX-4; DLX-7; DLX-8; Beta protein 1; BP1; DLX7; DLX8; DLX9; DLX4; BP-1 recombinant protein

### PRODUCT SPECIFICATIONS

|                                                      |                                                                                                                                                                 |
|------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                 | E Coli                                                                                                                                                          |
| Form/Format                                          | BP-1 protein in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.<br>Sterile Filtered clear solution.                                                        |
| Concentration                                        | 100ug/ml (varies by lot)                                                                                                                                        |
| Sequence Length                                      | 168                                                                                                                                                             |
| Applicable Applications for BP-1 recombinant protein | WB (Western Blot), IA (Inhibition Assay), ELISA                                                                                                                 |
| Preparation and Storage                              | Store vial at -20 degree C to -80 degree C. When stored at the recommended temperature, this protein is stable for 12 months.Please prevent freeze-thaw cycles. |

### ADDITIONAL INFORMATION

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|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for BP-1 recombinant protein | <p><b>Description:</b> BP-1 Human Recombinant (aa 103-168) expressed in E Coli, shows a 35 kDa band on SDS-PAGE.The BP-1 is purified by proprietary chromatographic techniques.</p> <p><b>Introduction:</b> BP-1 gene, a member of the DLX homeobox gene family, is overexpressed in 80% of breast cancer patients, and thus represents a potential new target for identification and treatment.Members of the Dlx gene family contain a homeobox that is related to that of Distal-less (Dll), a gene expressed in the head and limbs of the developing fruit fly (Drosophila). The Distal-less (Dlx) family of genes comprises at least 6 different members, DLX1-DLX6. The DLX proteins are postulated to play a role in forebrain and craniofacial development. Three transcript variants have been described for this gene, however, the full length nature of one variant has not been described. Studies of the two splice variants revealed that one encoded isoform functions as a repressor of the beta-globin gene while the other isoform lacks that function.</p> |
| Product Categories/Family for BP-1 recombinant protein   | <a href="#">Recombinant &amp; Natural Proteins</a> ; <a href="#">Recombinant Proteins</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

### NCBI AND UNIPROT INFORMATION

|                           |                                                                                                                                                                              |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                 | <a href="#">20143960</a>                                                                                                                                                     |
| NCBI GeneID               | <a href="#">1748</a>                                                                                                                                                         |
| NCBI Accession #          | <a href="#">NP_001925.2</a>                                                                                                                                                  |
| NCBI GenBank Nucleotide # | <a href="#">NM_001934.3</a>                                                                                                                                                  |
| UniProt Accession #       | <a href="#">Q92988</a> ; <a href="#">O60480</a> ; <a href="#">Q13265</a> ; <a href="#">Q6PJK0</a> ; <a href="#">Q9HBE0</a> ; <a href="#">D3DTX2</a> ; <a href="#">D3DTX3</a> |
| Molecular Weight          | 12,713 Da                                                                                                                                                                    |

|                                  |                                                                                                                                          |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI Official Full Name          | homeobox protein DLX-4 isoform b                                                                                                         |
| NCBI Official Synonym Full Names | distal-less homeobox 4                                                                                                                   |
| NCBI Official Symbol             | DLX4                                                                                                                                     |
| NCBI Official Synonym Symbols    | BP1; DLX7; DLX8; DLX9                                                                                                                    |
| NCBI Protein Information         | homeobox protein DLX-4; beta protein 1; distal-less homeo box 7; distal-less homeo box 9; homeobox protein DLX-7; homeobox protein DLX-8 |
| UniProt Protein Name             | Homeobox protein DLX-4                                                                                                                   |
| UniProt Gene Name                | <b>DLX4</b>                                                                                                                              |
| UniProt Synonym Gene Names       | BP1; DLX7; DLX8; DLX9                                                                                                                    |
| UniProt Entry Name               | DLX4_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/dlx4-recombinant-protein-e-coli-wb-western-blot-ia-inhibition-assay-elisa/38501>