

Alkaline Phosphatase Active Protein | ALP active protein

Alkaline Phosphatase (ALP), Human Placental

CATALOG #
AAA11488

PRODUCT SYNONYMS

Alkaline Phosphatase; Alkaline Phosphatase (ALP); Human Placental; PLAP; Alk Phos; Alkaline Phosphatase (ALP/PLAP); Human Placental - Lyophilized; ALP active protein

PRODUCT SPECIFICATIONS

Specificity	Tumor Marker, seminoma, ovarian cancer
Purity/Purification	Purified
Form/Format	Lyophilized
Sequence Length	524
Source	Human Placenta
EC Number	3.1.3.1
Unit Definition	One unit will catalyze the hydrolysis of one micromole of p-nitrophenylphosphate to p-nitrophenol and phosphate per minute at 37C at pH 10.4 and 37 degree C
Specific Activity	Typically >= 25 U/mg protein
Recertification	2 years
Protein	>= 0.2 mg protein/mg (Coomassie)
CAS Number	9001-78-9
Activity	Typically >= 10 U/mg (Dimension Clinical Chemistry System)
Preparation and Storage	At -20 degree C

ADDITIONAL INFORMATION

Related Product Information for ALP active protein	We are the leading supplier of Human Placental Alkaline Phosphatase (ALP) for life science, laboratory, research and manufacturing uses. Custom preparations, technical support, bulk quantities and aliquoting available. Alkaline Phosphatase (ALP) is a hydrolase enzyme responsible for removing phosphate groups in the 5- and 3-positions from many types of molecules, including nucleotides, proteins, and alkaloids. In humans, alkaline phosphatase is present in all tissues throughout the entire body, but is particularly concentrated in liver, bile duct, kidney, bone, and the placenta. The optimal pH for the enzyme activity is pH=10 in standard conditions.
Product Categories/Family for ALP active protein	Proteins ; Antigens ; Enzymes ; Standards/controls ; Native Proteins ; Alkaline Phosphatase (alp/plap)

NCBI AND UNIPROT INFORMATION

NCBI GI #	110350019
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NCBI GeneID	727689
NCBI Accession #	NP_001036028.1
NCBI GenBank Nucleotide #	NM_001042563.1
Molecular Weight	57,345 Da
NCBI Official Full Name	alkaline phosphatase, tissue-nonspecific isozyme
NCBI Official Symbol	ALPL
NCBI Protein Information	alkaline phosphatase, tissue-nonspecific isozyme; TNSALP; AP-TNAP; alkaline phosphatase liver/bone/kidney isozyme
UniProt Protein Name	Alkaline phosphatase, tissue-nonspecific isozyme
UniProt Gene Name	ALPL
UniProt Synonym Gene Names	AP-TNAP; TNSALP
UniProt Entry Name	PPBT_FELCA

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/alp-active-protein/alkaline-phosphatase/11488>