

Recombinant Human PLAA Protein (Glu162-Ala312), His tagged

Cat. No. PLAA-5326H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PLAA (Glu162-Ala312) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Glu162-Ala312
Description	Most importantly, placental alkaline phosphatase (ALPP), an ectoenzyme that locates on cell surface with catalytic domains outside the plasma membrane and is overexpressed on many cancer cells, dephosphorylate the d-tyrosine phosphates on the surface of the magnetic nanoparticle and enable the magnetic nanoparticles to adhere selectively to the cancer cells, such as HeLa cells. Placental alkaline phosphatase (PLAP), encoded by the ALPP gene, is produced by the fetal side of the placenta.
Form	Lyophilized powder/frozen liquid
Molecular Mass	17.61 kDa
Purity	>90% as determined by SDS-PAGE.
Notes	For research use only.

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Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	PLAA phospholipase A2-activating protein [Homo sapiens (human)]
Official Symbol	PLAA
Synonyms	PLAA; phospholipase A2-activating protein; phospholipase A-2-activating protein; DOA1; DOA1 homolog (S. cerevisiae); FLJ11281; FLJ12699; PLA2P; PLAP; DOA1 homolog; phospholipase A2 activating protein;
Gene ID	9373
mRNA Refseq	NM_001031689
Protein Refseq	NP_001026859
MIM	603873
UniProt ID	Q9Y263

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