

Recombinant Full Length Human ALPG Protein, C-Flag-tagged

Cat. No. ALPG-121HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ALPG Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	There are at least four distinct but related alkaline phosphatases: intestinal, placental, placental-like, and liver/bone/kidney (tissue non-specific). The product of this gene is a membrane bound glycosylated enzyme, localized to testis, thymus and certain germ cell tumors, that is closely related to both the placental and intestinal forms of alkaline phosphatase.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	55.2 kDa
AA Sequence	MQGPWVLLLLGLRLQLSLGIIPVEEENPDFWNRQAAEALGAAKKLQPAQTAACKNLIIF LGDGMGVSTVTA ARILKGQKKDKLGPETFLAMDRFPYVALSKTYSVDKHPD SGAT ATAYLCGVKGNFQTIGLSAAARFNQC NTTRGNEVISVVRRAKKAGKSGVVT TTRV QHASPAGTYAHTVNRNWYSDADVPASARQEGCQDIATQLI SNMDIDVILGGGRKY MFPMGTPDPEYPDDYSQGGTRLDGKNLVQEWLAKHQGARYVWNRTELLQASLDP S VTHLMGLFEPGDMKYEIHRDSTLDP SLMEMTEAALRLLSRNPRGFFLFVEGGRID HGHESRAYRALTET IMFDDAIERAGQLTSEEDTL SLVTADHSHVFSFGGYPLRGS SIFGLAPGKARDRKAYTVLLYGNGPGYVL KDGARPDVTESESGSPEYRQQSAVPLD

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GETHAGEDVAVFARGPQAHLVHGVQEQTFAHVMAFAACLEPY
TACDLAPPAGTTDAAHPGPSVVPALLPLLAGTLLLLGTATAPTRTRPLEQKLISEEDL
AANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Folate biosynthesis, Metabolic pathways
Full Length	Full L.

GENE INFORMATION

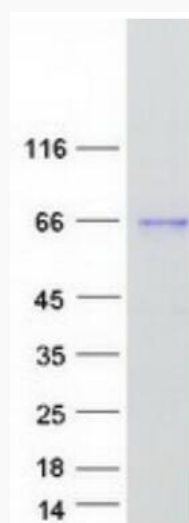
Gene Name	ALPG alkaline phosphatase, germ cell [Homo sapiens (human)]
Official Symbol	ALPG
Synonyms	GCAP; ALPPL; ALPPL2
Gene ID	251

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mRNA Refseq	NM_031313.3
Protein Refseq	NP_112603.2
MIM	171810
UniProt ID	P10696



Coomassie blue staining of purified ALPG protein.