

Recombinant Human ALPG Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ALPG-3335H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ALPPL2 MS Standard C13 and N15-labeled recombinant protein (NP_112603) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	55.2 kDa
AA Sequence	MQGPWVLLLLGLRLQLSLGIIPVEEENPDFWNRQAAEALGAAKKLQPAQTAAKNLIIF LGDGMGVSTVTAARILKGQKKDKLGPETFLAMDRFPYVALSKTYSVDKHVPD SGAT ATAYLCGVKGNFQTIGLSAAARFNQCNTTRGNEVISVNRRAKKAGKSVGVTTRV QHASPAGTYAHTVNRNWYSDADV PASARQEGCQDIATQLISNMDIDVILGGGRKYM FPMGTPDPEYPDDYSQGGTRLDGKNLVQEWLAKHQGARYVWNRTELLQASLDPS VTHLMGLFEPGDMKYEIHRDSTLDPSLMEMTEAALRLLSRNPRGFFLFVEGGRIDHG HHESRAYRALTETIMFDDAIERAGQLTSEEDTSLSVTADHSHVFSFGGYPLRGSSIFG LAPGKARDRKAYTVLLYGNGPGYVLKDGARPDVTESESGSPEYRQQSAVPLDGET

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HAGEDVAVFARGPQAHLVHGVQEQTFAHVMAFAACLEPYTACDLAPPAGTTDAAH
PGPSVVPALLPLLAGTLLLLGTATAPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name ALPG alkaline phosphatase, germ cell [Homo sapiens (human)]

Official Symbol ALPG

Synonyms ALPPL2; alkaline phosphatase, placental-like 2; 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; ALPG; GCAP; ALPPL;

Gene ID 251

mRNA Refseq NM_031313

Protein Refseq NP_112603

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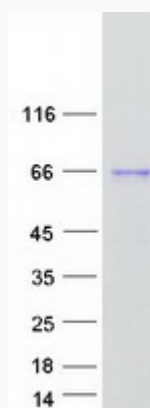
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MIM 171810

UniProt ID P10696

SDS-PAGE



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