

Recombinant Human ALPK1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ALPK1-2177H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ALPK1 MS Standard C13 and N15-labeled recombinant protein (NP_079420) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes an alpha kinase. Mice which were homozygous for disrupted copies of this gene exhibited coordination defects (PMID: 21208416). Multiple transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	138.9 kDa
AA Sequence	Tag(s)MNNQKVAVLLQECKQVLDQLLLEAPDVSEEDKSEDQRCRALLPSELRTLQ EAKEMKWPFVPEKWQYKQAVGPEDKTNLKDVIGAGLQQLLASLRASILARDCAAAA AIVFLVDRFLYGLDVSGKLLQVAKGLHLKLPATPIAPQVVIRQARISVNSGKLLKAEYI LSSLISNNGATGTWLYRNEVDKVLVQSVCIQIRGQILQKLGMYEAAELIWASIVGYL ALPQPDKKGLSTSLGILADIFVSMKNDYEKFKNNPQINLSLLKEFDHLLSAAEACK LAAAFSAYTPLFVLTAVNIRGTCLLSYSSSNDPPELKNLHLCEAKEAFEIGLLTKRDD EPVTGKQELHSFVKAAFGLTTVHRRHLHGETGTVHAASQLCKEAMGKLYNFSTSSRS QDREALSQEVMSVIAQVKEHLQVQSFSNVDDRSYVPESFECRLDKLILHGQGDFQKI LDTYSQHHTSVCEVFESDCGNNKNEQKDAKTGVCITALKTEIKNIDTVSTTQEKPHC QRDTGISSSLMGKNVQRELRRGGRRNWITHSDAFRVSLDQDVETETEPSDYSNGEG

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AVFNKSLSGSQTSSAWSNLSGFSSSASWEEVNYHVDDRSARKEPGKEHLVDTQCS
TALSEELENDREGRAMHSLHSQLHDLSQLQEPNNDNLEPSQNQPQQQMPLTPFSPH
NTPGIFLAPGAGLLEGAPEGIQEVNMGPRNTSAHSRPSYRSASWSSDSGRPKNM
GTHPSVQKEEAFEIIVEFPETNCDVKDRQGKEQGEEISERGAGPTFKASPSWVDPE
GETAESTEDAPLDFHRVLHNSLGNISMLPCSSFTPNWPVQNPDSRKSGGPVAEQGI
DPDASTVDEEGQLLDSDMDVPCTNGHGHSHRLCILRQPPGQRAETPNSSVSGNILFPV
LSEDCTTTEEGNQPGNMLNCSQNSSSSSVWWLKSPAFSSGSSEGDSPWSYLNSS
GSSWVSLPGKMRKEILEARTLQPDDFEKLLAGVRHDWLFQRLTENTGVFKPSQLHRA
HSALLLKYSKKSELWTAQETIVYLGDYLTVKKKGRQRNAFWVHHLHQEEILGRYVGK
DYKEQKGLWHHFTDVERQMTAQHYVTEFNKRLYEQNIPTQIFYIPSTILLIEDKTIKG
CISVEPYILGEFVKLSNNTKVVKTEYKATEYGLAYGHFSYEFSNHRDVVVDLQGWVT
GNGKGLIYLTDPQIHSVDQKVFTTNFGKRGIFYFFNNQHVECNEICHRLSLTRPSME
KPCTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 ALPK1 alpha-kinase 1 [Homo sapiens (human)]

Official Symbol ALPK1

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Synonyms	ALPK1; alpha-kinase 1; alpha-protein kinase 1; FLJ22670; KIAA1527; Lak; lymphocyte alpha kinase; chromosome 4 kinase; lymphocyte alpha-kinase; lymphocyte alpha-protein kinase; LAK; 8430410J10Rik;
Gene ID	80216
mRNA Refseq	NM_025144
Protein Refseq	NP_079420
MIM	607347
UniProt ID	Q96QP1
SDS-PAGE	