

Product datasheet for **TP309189L**

ALPK1 (NM_025144) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human alpha-kinase 1 (ALPK1), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>Peptide sequence encoded by RC209189 Blue=ORF Red=Cloning site Green=Tag(s)

MNNQKVVAVLLQECKQVLDQLLLEAPDVSEEDKSEDQRCRALLPSELRTLIQEAKEMKWPVPEKWQYK
QAVGPEDKTNLKDVIAGLQQLLASLRASILARDCAAAAAIVFLVDRFLYGLDVSGLLQVAKGLHKLQ
PATPIAPQVVIRQARISVNSGKLLKAEYILSSLISNNGATGTWLYRNESDKVLVQSVCIQIRGQILQKL
GMWYEAELIWASIVGYLALPQPDKKGLSTSLGILADIFVSMKNDYEFKNNPQINLSLLKEFDHLL
SAAEACKLAAAFSAYTPLFVLTAVNIRGTCLLSYSSSNDCPPELKNLHLCEAKEAFEIGLLTKRDDEPV
TGKQELHSFVKAAGLTTVHRRHLHGETGTVHAASQLCKEAMGKLYNFSTSSRSQDREALSQEVMSVIAQ
VKEHLQVQSFNSVDDRSYVPESFECRLDKLILHGQGFQKILDYTSQHHTSVCEVFESDCGNNKNEQKD
AKTGVCITALKTEIKNIDTVSTTQEKPHCQRDTGISSLMGKNVQRELRRGRRNWTSHDAFRVSLDQD
VETETEPSDYSNGEGAVFNKLSGSQTSSAWSNLGFSASSASWEEVNYHVDDRSARKEPGKEHLVDTQC
STALSEELENDREGRAMHSLHSQLHDLQLQEPNNDNLEPSQNQPQQMPLTPFSPHNTPGIFLAPGAGL
LEGAPEGIQEVNMGPRNTSAHSRPSYRSASWSSDSGRPKNMGTHPSVQKEEAFEIIVFEPETNCDVKD
RQKGEQGEISERGAGPTFKASPSWVDPEGETAESTEDAPLDFHRVLHNSLGNISMLPCSSFTPNWPVQ
NPDSRKSGGPVAEQGIDPDASTVDEEGQLLDSMDVPCTNGHGHSHRLCILRQPPGQRAETPNSSVSGNIL
FPVLSCTTTEEGNQPGNMLNCSQNSSSSVWVWLKSPAFSSGSSEGDSPWSYLNSSGSSWVSLPGKMR
KEILEARTLQPDDEFKLLAGVRHDWLFQRLNTGVFKPSQLHRAHSALLKYSKSELWTAQETIVYLG
DYLTVKKKGRQRNAFWVHHLHQEEILGRYVGKDYKEQKGLWHHFTDVERQMTAQHYVTEFNKRLYEQNI
PTQIFYIPSTILLILEDKTIKGCISVEPYILGEFVKLSNNTKVVKTEYKATEYGLAYGHFSYEFNSHRD
VVVDLQGWVTGNGKGLIYLTDPQIHSVDQKVFTTNFGKRGIFYFFNNQHVECNEICHRSLTRPSMEKP
CT
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Recombinant protein using RC209189 also available, [TP309189](#)

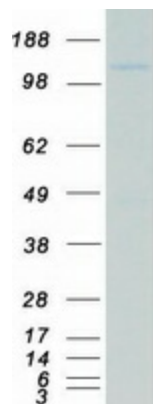
Tag:	C-Myc/DDK
Predicted MW:	138.7 kDa



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Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_079420
Locus ID:	80216
UniProt ID:	Q96QP1
RefSeq Size:	5399
Cytogenetics:	4q25
RefSeq ORF:	3732
Synonyms:	8430410J10Rik; LAK
Summary:	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. [provided by RefSeq, Dec 2011]
Protein Families:	Druggable Genome, Protein Kinase

Product images:



Coomassie blue staining of purified ALPK1 protein (Cat# [TP309189]). The protein was produced from HEK293T cells transfected with ALPK1 cDNA clone (Cat# [RC209189]) using MegaTran 2.0 (Cat# [TT210002]).