

## Product datasheet for **TP309189M**

### ALPK1 (NM\_025144) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human alpha-kinase 1 (ALPK1), transcript variant 1, 100 µg  
**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  
 QAVGPEDKTNLKDVIAGLQQLLASLRASILARDCAAAAAIVFLVDRFLYGLDVGKLLQVAKGLHKLQ  
 PATPIAPQVVIRQARISVNSGKLLKAEYILSSLISNNGATGTWLYRNESDKVLVQSVCIQIRGQILQKL  
 GMWYEAELIWASIVGYLALPQPDKKGLSTSLGILADIFVSMKNDYEFKNNPQINLSLLKEFDHLL  
 SAAEACKLAAAFSAYTPLFVLTAVNIRGTCLLSYSSSNDCPPELKNLHLCEAKEAFEIGLLTKRDDEPV  
 TGKQELHSFVKAAGLTTVHRRHLHGETGTVHAASQLCKEAMGKLYNFSTSSRSQDREALSQEVMSVIAQ  
 VKEHLQVQSFNSVDDRSYVPESFECRLDKLILHGQGFQKILDYTSQHHTSVCEVFESDCGNNKNEQKD  
 AKTGVCITALKTEIKNIDTVSTTQEKPHCQRDTGISSLMGKNVQRELRRGRRNWTSHDAFRVSLDQD  
 VETETEPSDYSNGEGAVFNKLSGSQTSSAWSNLGFSASSASWEEVNYHVDDRSARKEPGKEHLVDTQC  
 STALSEELENDREGRAMHSLHSQLHDLQLQEPNNDNLEPSQNQPQQMPLTPFSPHNTPGIFLAPGAGL  
 LEGAPEGIQEVNRNMGPRNTSAHSRPSYRSASWSSDSGRPKNMGTHPSVQKEEAFEIIVEFPETNCDVKD  
 RQGKEQGEEISERGAGPTFKASPSWVDPEGETAESTEDAPLDFHRVLHNSLGNISMLPCSSFTPNWPVQ  
 NPDSRKSGGPVAEQGIDPDASTVDEEGQLLDSMDVPCTNGHGHSHRLCILRQPPGQRAETPNSSVSGNIL  
 FVLSEDCTTTEEGNQPGNMLNCSQNSSSSVWWLKSPAFSSGSSEGDSPWSYLNSSGSSWVSLPGKMR  
 KEILEARTLQPDDEFKLLAGVRHDWLFQRENTGVFKPSQLHRAHSALLKYSKSELWTAQETIVYLG  
 DYLTVKKKGRQRNAFWVHHLHQEEILGRYVGKDYKEQKGLWHHFTDVERQMTAQHYVTEFNKRLYEQNI  
 PTQIFYIPSTILLILEDKTIKGCISVEPYILGEFVKLSNNTKVVKTEYKATEYGLAYGHFSYEFNSHRD  
 VVDLQGWVTGNGKGLIYLTDPQIHSVDQKVFTTNFGKRGIFYFFNNQHVECNEICHRSLTRPSMEKP  
 CT  
 TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

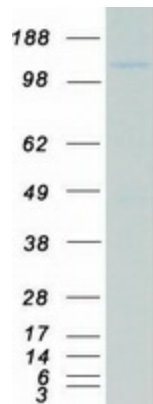
**Tag:** C-Myc/DDK  
**Predicted MW:** 138.7 kDa



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