

## Recombinant Alpha-protein kinase 1 (Alpk1)

Catalog No.: TP10994

100µg

### Sequence Information

**Species:** Mouse

**Gene ID:**

**Swiss Prot:**Q9CXB8

**Synonyms:**ALPK1

**Residues:**Met1-Val1231

MNNQDAVASILHECKQVLDRLLETPDVSTEDKSEDQRCRASLPSELRTL IQEA  
EEMKWPFVPEKWQYKQAMSPEDKTNLQDVI GAGLQQLAALRASILVQDCAAS  
AIVFLMDRFLYGLDVSGKLLQVAKGLHKLKPATPIAPQVVIRQARVSVNSGKLL  
KAEYILSSLSINNGATGTWLYRNESDKVLVQSVCIQIRGQILQKLGMYEAAEL  
IWASVIGYLTLPQPKKGISTSLGILADIFVSM SKTDYEKFKKSPKVN LALLKE  
FDHLLSAAEACKLAAAFSAYTPLFVLRVNI RGTCLLSYSCSADCPPGMKSVH  
LCEAKEAFEIGLLTKKDGELVSGKQELHSFIKAAFGLTTVHSRLHGETDAVRAA  
RQLCSEAVGKLYTFSTPTSQDREGLSQEIMSLISQVKGHLRVQSFNLDVCSY  
VPESFKCGLDRLILHGHVDFQQILETYSQHHTSVCEVFESTCGNSKSNQRDTKS  
EVCITTLKTETNTADTMVATLERVSSQDSRSTASSKMSKKDQGKLQREGRSWT  
RSKAFRVSLDLMETETEPNHSNGGTDVFNKSLRDNSSCSWGRLSGLSSSTS  
WEEVNCAVQDVVRKGGSGQEKHPVEAQSSEAVSEEPKRNRSRAVFLSSKLRGVS  
LQTTGDDNLESSPSQLHNHTSILPFNAKDTCLASGAGLVETAEGSNNTSLQSSH  
SCGSDSWSLSSDRFTDVTNPSVQEEEPSGIMGDVPESKYDFKDWHGKNGGT  
LTEICTGPELTFAPSSVDEGETAESTDDGLSPSQVALGCLEGSMSMSTRRTFF  
PDGSVQNADSAKTGCSVRDQTVDPDASTVDEEQMLDSTEVC SIGQDGAHRPRA  
LRSGQSAEGPKSFVNGSRPSPIFDEDFSTTEEGEELGSMLKSSQNSSSYSPWWL  
KSPAFSRSSSDGESSWSLLNSRSASFASLAGQTSQEILEARTLQPDDEKLLAG  
VRHDWLLQRENTGV LKSNQLQQAHSALLKYSKKSELWTAQETVVYLG DYLKV  
KKKGKQRNAFWVHYLHQEETLGRYVGKEYKERKGLRHHFTDVERQMTAQHYVTE  
FNKRLYEQKIPTQIFYVFPSTILLILEDRTIKGCISVEPYILGEFVKLSNNTKVV  
KNEYKATEYGLAYGHFSYEFNSHRDVVVDLQGWVTGNGKGLIYLTDPQIHSVDQ  
KDVTNFGKRGIFYFFNNQHASCNEICHRLSLTRPSLEQTSKV

### Product Information

**Source:** Recombinant expression.

**Host:** *E.coli*

**Tags:** C-terminal Flag-tag

**Subcellular Location:** Cytoplasm.

**Purity:** >90%

**Traits:** Freeze-dried powder

**Buffer formulation:** PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

**Original Concentration:** 200µg/mL

**Applications:** Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

**Predicted isoelectric point:** 6.3

**Predicted Molecular Mass:** 1152.2kDa

**Accurate Molecular Mass:** 152kDa as determined by SDS-PAGE reducing conditions.

## [ USAGE ]

Reconstitute in ddH<sub>2</sub>O to a concentration of 0.1-0.5 mg/mL. Do not vortex.

## [ STORAGE AND STABILITY ]

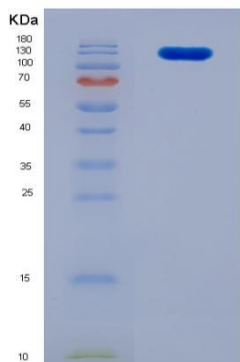
**Storage:** Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

## [ IDENTIFICATION ]



**Figure 1. SDS-PAGE**



**[ IMPORTANT NOTE ]**

The kit is designed for in vitro and research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.