

Recombinant Mouse Musk protein, His-tagged

Cat. No. Musk-1182M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Musk aa. (Cys517~Arg777 (Accession # Q61006) fused with N-terminal His tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Cys517~Arg777
Description	This gene encodes a member of the protein tyrosine kinase family. The encoded protein is a type 1 receptor-like protein located in muscle membrane that is activated by the heparan sulfate proteoglycan agrin released by nerve cells. The encoded protein activates signaling cascades responsible for multiple aspects of motor neuron and muscle development, including organization of the postsynaptic membrane, synaptic gene transcription, patterning of skeletal muscle, anchoring of acetylcholinesterase, and guidance of motor axons. Alternatively spliced transcript variants encoding different isoforms have been described.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.1kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 8.4.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. 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. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Musk muscle, skeletal, receptor tyrosine kinase [<i>Mus musculus</i> (house mouse)]
Official Symbol	Musk
Synonyms	Musk; muscle, skeletal, receptor tyrosine kinase; Mlk; Mdk4; Nsk1; Nsk2; Nsk3; muscle, skeletal receptor tyrosine-protein kinase; muscle localized kinase 2; muscle-specific kinase receptor; muscle-specific protein kinase secretory isoform; muscle-specific tyrosine-protein kinase receptor
Gene ID	18198

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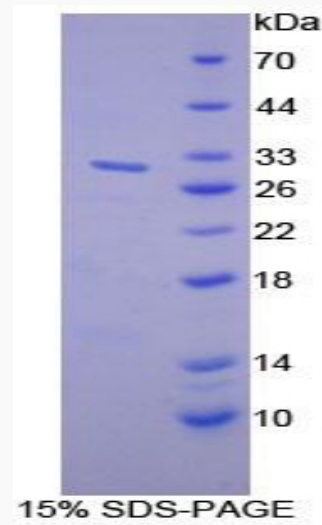
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mRNA Refseq [NM_001037128.1](#)

Protein Refseq [NP_001032205.1](#)

UniProt ID [Q61006](#)

SDS-PAGE



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