

Active Recombinant Mouse Klk7 protein, His-tagged

Cat. No. Klk7-7405M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Klk7 protein(Q91VE3)(Met1-Arg249), fused with His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Arg249
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate, Mca-RPKPVE-Nva I-WRK(Dnp)-NH ₂ .The specific activity is >70 pmoles/min/μg.(Activation description: The proenzyme needs to be activated by Thermolysin for an activated form)
Molecular Mass	The recombinant mouse KLK7 comprises 239 amino acids and has a predicted molecular mass of 26.5 kDa. The apparent molecular mass of the protein is approximately 31 and 34 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method

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Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Klk7 kallikrein related-peptidase 7 (chymotryptic, stratum corneum) [<i>Mus musculus</i>]
Official Symbol	Klk7
Synonyms	KLK7; kallikrein related-peptidase 7 (chymotryptic, stratum corneum); kallikrein-7; thymopsin; serine protease 6; protease, serine, 6; stratum corneum chymotryptic enzyme; kallikrein 7 (chymotryptic, stratum corneum); SCCE; Prss6;
Gene ID	23993
mRNA Refseq	NM_011872
Protein Refseq	NP_036002

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