Active Recombinant Human KLK11 protein, His-tagged, Low Endotoxin

Cat. No. KLK11-2434H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KLK11 protein(Q9UBX7-2)(Ile54-Asn282), fused with C-terminal His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	54-282 aa
Form	Lyophilized from 0.22 μm filtered solution in 20mM HEPES, 150mM NaCl, 8% trehalose, 0.05% Brij-35 (pH 7.5).
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate: N-carbobenzyloxy-Lys-ThioBenzyl ester (Z-Lys-SBzl), in the presence of 5,5'Dithio-bis (2-nitrobenzoic ac id) (DTNB). The specific activity is > 1200pmol/min/μg.
Molecular Mass	The protein has a predicted MW of 26.85 kDa. Due to glycosylation, the protein migrates to 35-45 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Storage	Store at -20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3

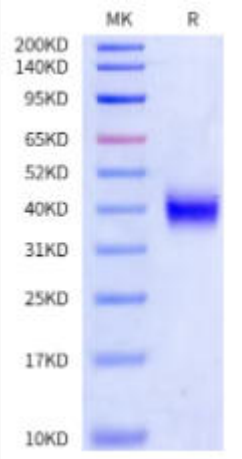
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	months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Reconstitution	Dissolve the lyophilized protein in distilled water.

GENE INFORMATION

Gene Name	KLK11 kallikrein-related peptidase 11 [Homo sapiens]
Official Symbol	KLK11
Synonyms	KLK11; kallikrein-related peptidase 11; kallikrein 11, PRSS20; kallikrein-11; TLSP; hK11; hippostasin; kallikrein 11; serine protease 20; trypsin-like protease; PRSS20; MGC33060;
Gene ID	11012
mRNA Refseq	NM_001136032
Protein Refseq	NP_001129504
MIM	604434
UniProt ID	Q9UBX7

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Bis-Tris PAGE	

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