

Active Recombinant Human KLK8, His tagged

Cat. No. KLK8-1166H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KLK8 (O60259-1) isoform 1 (Met 1-Gly 260), fused with a polyhistidine tag at the C-terminus, was produced in Human Cell.
Species	Human
Source	HEK293
ProteinLength	Met 1-Gly 260
Form	Lyophilized from sterile 50 mM Tris, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate BocVPRAMC. The specific activity is > 400pmoles/min/μg
Molecular Mass	The recombinant human KLK8 consists of 243 amino acids and predicts a molecular mass of 26.4 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhKLK8 is approximately 36 kDa due to glycosylation.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	> 98 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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 [KLK8 kallikrein-related peptidase 8 \[Homo sapiens \]](#)

Official Symbol [KLK8](#)

Synonyms KLK8; kallikrein-related peptidase 8; kallikrein 8 (neuropsin/ovasin) , PRSS19; kallikrein-8; HNP; neuropsin; ovasin; TADG14; hK8; neuropsin type 1; neuropsin type 2; serine protease 19; KLK8 protein type 1; KLK8 protein type 2; serine protease TADG-14; tumor-associated differentially expressed gene 14 protein; NP; NRPN; PRSS19;

Gene ID [11202](#)

mRNA Refseq [NM_007196](#)

Protein Refseq [NP_009127](#)

MIM [605644](#)

UniProt ID [O60259](#)

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