

Active Recombinant Human KLK5 protein, GGS-8H-tagged

Cat. No. KLK5-27H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human KLK5 protein (Ile67- Ser293) (Accession: # Q9Y337), fused with a C-terminal GGS-8H tag was expressed in CHO cells.
Species	Human
Source	CHO
ProteinLength	Ile67- Ser293
Form	0.22 µ filtered protein solution is in 25 mM MES, 150 mM NaCl, 20% glycerol pH 5.5
Bio-activity	Recombinant human KLK5 activity is measured by its ability to cleave the fluorogenic peptide substrate Boc-Val-Pro-Arg-AMC. The specific activity is > 200 pmol/min/g in the presence of 0.1 g of recombinant human KLK5.
Molecular Mass	The 236 amino acid recombinant protein has a predicted molecular mass of approximately 26.1 kD. The DTT-reduced and non-reduced protein migrates at approximately 60 and 50 kD by SDS-PAGE respectively.
Endotoxin	Less than 0.1 EU per g cytokine as determined by the LAL method
Purity	> 95%, as determined by Coomassie stained SDS-PAGE
Storage	Unopened vial can be stored at -20°C or -70°C for six months. For maximum results, quick spin vial prior to opening. Avoid repeated freeze/thaw cycles.

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Concentration 10 and 25 µg sizes are bottled at 200 µg/mL.

GENE INFORMATION

Gene Name KLK5 kallikrein related peptidase 5 [Homo sapiens (human)]

Official Symbol 25818

Synonyms SCTE; KLKL2; KLK-L2

Gene ID 25818

mRNA Refseq NM_001077491.2

Protein Refseq NP_001070959.1

MIM 605643

UniProt ID Q9Y337

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