



Recombinant Mouse Kallikrein-14 (Klk14)

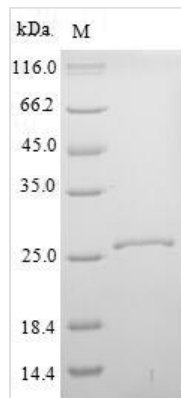
Product Code	CSB-YP806542MO
Relevance	Serine-type endopeptidase with a dual trypsin-like and chymotrypsin-like substrate specificity. May activate/inactivate the proteinase-activated receptors F2R, F2RL1 and F2RL3 and other kallikreins including KLK1, KLK3, KLK5 and KLK11. May function in seminal clot liquefaction through direct cleavage of the semenogelin SEMG1 and SEMG2 and activation of KLK3. May function through desmoglein DSG1 cleavage in epidermal desquamation a process by which the most superficial corneocytes are shed from the skin surface. May be involved in several aspects of tumor progression including growth, invasion and angiogenesis Inhibited by SERPINA1, SERPINC1, SERPINE1, SERPINF2, aprotinin, soybean, trypsin inhibitor and leupeptin. Inhibited by serine protease inhibitor SPINK5. Has an autoproteolytic activity which may have a regulatory effect. Activated by citrate and inhibited by zinc and to a lower extent by manganese
Abbreviation	Recombinant Mouse Klk14 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q8CGR5
Alias	Glandular kallikrein KLK14
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	IIGGYRCVRNSQPWQVALQAGPGHRFLCGGVLLSDQWVITAAHCARPILHVAL GKHNIIRWEATQQVVRVARQVPHYPQYQPAHDNDLMLLKLQKKVRLGRAVK TISVASSCASPCTPCRVSQGWGTIASPIARYPTALQCVNVNIMSEQACHRAYPGI ITSGMVCAGVPEGGKDSCQGDSSGPLVCGGQLQGLVSWGMECAMPGYPG VYANLCNYHSWIQRTMQSN
Research Area	Tags & Cell Markers
Source	Yeast
Target Names	Klk14
Protein Names	Recommended name: Kallikrein-14 EC= 3.4.21.- Alternative name(s): Glandular kallikrein KLK14 Short name= mGK14 Kallikrein related-peptidase 14
Expression Region	24-250aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged



Mol. Weight 26.5kDa

Protein Length Full Length of Mature Protein

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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