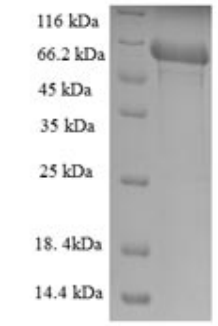
Recombinant Mouse Transmembrane protease serine 4 (Tmprss4), partial

Product Code	CSB-EP844988MO
Relevance	Probable protease. Ses to be capable of activating ENaC.
Abbreviation	Recombinant Mouse Tmprss4 protein, partial
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.	Q8VCA5
Alias	Channel-activating protease 2 ;mCAP2
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	KVILDKYYFICGSPLTFIQRGQLCDGHLDCASGEDEEHCVKDFPEKPGVAVRLS KDRSTLQVLDAATGTWASVCFDNFTEALAKTACRQMGYDSQPAFRAVEIRPD QNLPVAQVTGNSQELQVQNGSRSCLSGSLVSLRCLDCGKSLKTPRVVGGVEA PVDSWPWQVSIQYNKQHVCGGSILDPHWILTAAHCFRKYLDVSSWKVRAGSN ILGNSPSLPVAKIFIAEPNPLYPKEKDIALVKLQMPLTFSGSVRPICLPFSDEVLV PATPVWVIGWGFTEENGGKMSDMLLQASVQVIDSTRCNAEDAYEGEVTAEML CAGTPQGGKDTCQGDSGGPLMYHSDKWQVVGIVSWGHGCGGPSTPGVYTK VTAYLNWIYNVRKSEM
Research Area	Others
Source	E.coli
Target Names	Tmprss4
Expression Region	52-435aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	57.8kDa
Protein Length	Extracellular Domain
Image	



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

Description

The recombinant Mouse Tmprss4 was expressed with the amino acid range of 52-435. The theoretical molecular weight of the Tmprss4 protein is 57.8 kDa. This Tmprss4 recombinant protein is manufactured in e.coli. The N-terminal 6xHis-SUMO tag was fused into the coding gene segment of Tmprss4, making it easier to detect and purify the Tmprss4 recombinant protein in the later stages of expression and purification.

Mouse transmembrane protease serine 4 (Tmprss4) serves as a key enzyme with its main function centered on proteolytic cleavage of substrates. Its role in regulating protein activation and processing makes Tmprss4 crucial in cellular signaling and homeostasis. Investigating Tmprss4 spans various research areas, contributing to the understanding of cellular dynamics and presenting opportunities for developing targeted interventions, particularly in cancer-related signaling pathways. In the field of cell biology and molecular research, studying Tmprss4 provides insights into protease-mediated cellular processes and signal transduction. Tmprss4's association with cancer progression implicates it in oncology research, offering potential as a therapeutic target.

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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