

Recombinant Mouse PCSK5 Protein (117-452 aa), His-SUMO-tagged

Cat. No. PCSK5-711M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse PCSK5 Protein (117-452 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Full Length of Mature Protein.
Species	Mouse
Source	E.coli
ProteinLength	117-452 aa
Description	Plays an essential role in pregnancy establishment by proteolytic activation of a number of important factors such as BMP2, CALD1 and alpha-integrins. Likely to represent a widespread endoprotease activity within the constitutive and regulated secretory pathway. Capable of cleavage at the RX(K/R)R consensus motif. May be responsible for the maturation of gastrointestinal peptides. May be involved in the cellular proliferation of adrenal cortex via the activation of growth factors.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	52.7 kDa
AA Sequence	DYDLSHAQSTYFNDPKWPSMWYMHCSDNTHPCQSDMNIEGAWKRGYTGNIVVTI LDDGIERTHPDLMQNYDALASCDVNGNDLDPMPRYDASNENKHGTRCAGEVAATA NNSHCTVGIAFNAKIGGVRMLDGDVTDMVEAKSVSYNPQHVHIYSASWGPDDDDGK

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TVDGPAPLTRQAFENGVRMGRRGLGSVFVWASGNGGRSKDHCSCDGYTNSIYTISI
SSTAESGKKPWYLEECSSSTLATTYSSGESYDKKIITDLRQRCTDNHTGTSASAPMA
AGIIALALEANPFLTWRDVQHVIVRTSRAGHLNANDWKTNAAGFKVSHLYGFGLMDA
E

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name [Pcsk5 proprotein convertase subtilisin/kexin type 5 \[Mus musculus \]](#)

Official Symbol [PCSK5](#)

Synonyms PCSK5; PC5; PC6; PC5A; SPC6; PC5/6A;

Gene ID [18552](#)

mRNA Refseq [NM_001163144](#)

Protein Refseq [NP_001156616](#)

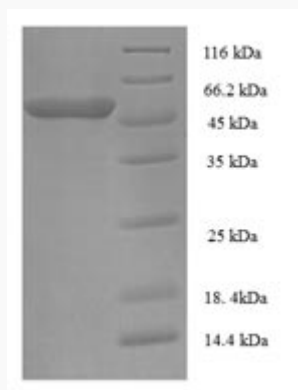
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UniProt ID

Q04592



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

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