



# Recombinant Mouse Proprotein convertase subtilisin/kexin type 5(Pcsk5)

<b>Product Code</b>	CSB-EP017644MO
<b>Relevance</b>	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 .
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q04592
<b>Storage Buffer</b>	Tris-based buffer,50% glycerol
<b>Alias</b>	Proprotein convertase 5 ;PC5Proprotein convertase 6 ;PC6Subtilisin-like proprotein convertase 6 ;SPC6Subtilisin/kexin-like protease PC5
<b>Product Type</b>	Recombinant Protein
<b>Species</b>	Mus musculus (Mouse)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	DYDLSHAQSTYFNPKWPSMWYMHCSNDTHPCQSDMNIEGAWKRGYTGKN IVVTILDDGIERTHPDLMQNYDALASCDVNGNDLDPMPRYDASNENKHGTRCA GEVAATANNSHCTVGIAFNAKIGGVRMLDGDVTDMEAKSVSYNPQHVHIYSA SWGPDGDDGKTVDGPAPLTRQAFENGVRMGRRLGGSVFWASGNGGRSKDH CSCDGYTNSIYTISISSTAESGKKPWYLEECSSTLATTYSSGESYDKKIITDLR QRCTDNHTGTSASAPMAAGIALLALEANPFLTWRDQHVIVRTSRAGHLNAND WKTNAAGFKVSHLYGFGLMDAE
<b>Research Area</b>	Others
<b>Source</b>	E.coli
<b>Gene Names</b>	Pcsk5
<b>Protein Names</b>	Recommended name: Proprotein convertase subtilisin/kexin type 5 EC= 3.4.21.- Alternative name(s): Proprotein convertase 5 Short name= PC5 Proprotein convertase 6 Short name= PC6 Subtilisin-like proprotein convertase 6
<b>Expression Region</b>	117-452aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-SUMO-tagged



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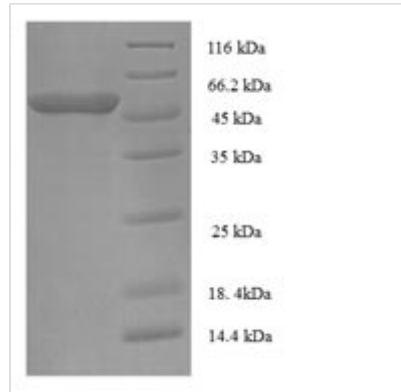
**Mol. Weight** 52.7kDa

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**Protein Description** Full Length of Mature Protein

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**Image**



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