

# Recombinant Mus musculus Proprotein convertase subtilisin/kexin type 5

Catalog No: #AP72713

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Package Size: #AP72713-1 20ug #AP72713-2 100ug #AP72713-3 1mg

## Description

Product Name	Recombinant Mus musculus Proprotein convertase subtilisin/kexin type 5
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:117-452aaSequence Info:Partial
Other Names	<p>Proprotein convertase 5</p> <p>Short name:</p> <p>PC5</p> <p>Proprotein convertase 6</p> <p>Short name:</p> <p>PC6</p> <p>Subtilisin-like proprotein convertase 6</p> <p>Short name:</p> <p>SPC6</p> <p>Subtilisin,kexin-like protease PC5</p>
Accession No.	Q04592
Uniprot	Q04592
GeneID	18552;
Calculated MW	38.7 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	<p>DYDLSHAQSTYFNDPKWPSMWYMHCSDNTHPCQSDMNIEGAWKRGYTGKNIVVTILDDGIERTHPDLMQNY</p> <p>DALASCDVNGNDLDPMPRYDASNENKHGTRCAGEVAATANNSHCTVGI AFNAKIGGVRMLDGDVTD MVEAK</p> <p>SVSYNPQHVHIYSASWGPDDDGKTV DGPAPLRQAFENGVRMGRRLG SVFVWASNGNGGRSKDHCSCDG</p> <p>YTNSIYTISISSTAESGKKPWYLEECSS TLATTYSSGESYDKKIITDLRQRCTDNHTGTSAPMAAGI IALALE</p> <p>ANPFLTWRDVQHVIVRTSRAGHLNANDWKTNAAGFKVSHLYGFGLMDAE</p>
Formulation	Tris-based buffer50% glycerol
Storage	<p>The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.</p> <p>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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.</p>

## Background

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 (By similarity).

## References

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"The isoforms of proprotein convertase PC5 are sorted to different subcellular compartments."De Bie I., Marcinkiewicz M., Malide D., Lazure C., Nakayama K., Bendayan M., Seidah N.G.J. Cell Biol. 135:1261-1275(1996) Research Topic:Others

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Note: This product is for in vitro research use only