

Recombinant Mouse Proprotein convertase subtilisin,kexin type 5(Pcsk5)

Catalog No: #AP70621

Package Size: #AP70621-1 20ug #AP70621-2 100ug #AP70621-3 1mg

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Recombinant Mouse Proprotein convertase subtilisin,kexin type 5(Pcsk5)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:117-452aaSequence Info:Full Length
Other Names	Proprotein convertase 5 ;PC5Proprotein convertase 6 ;PC6Subtilisin-like proprotein convertase 6 ;SPC6Subtilisin,kexin-like protease PC5
Accession No.	Q04592
Calculated MW	52.7 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	DYDLSHAQSTYFNDPKWPSMWYMHCSDNTHPCQSDMNIEGAWKRGYTGKNIVVTILDDGIERTHPDLMQNY DALASCDVNGNDLDPMPLYDASNENKHGTRCAGEVAATANNHCTVGIAFNAKIGGVRLDGDVTDMEAK SVSYNPQHVHIYSASWGPDDDGKTVDGPAPLTRQAFENGVRMGRRGLGSVFVWASNGNGRSKDHCSGDG YTNSIYTISISSTAESGKKPWYLEECSSTLATTYSSGESYDKKIITDLRQRCTDNHTGTSASAPMAAGIILALE ANPFLTWRDVQHVIVRTSRAGHLNANDWKTNAAGFKVSHLYGFGLMDAE
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

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 .

References

Identification of an isoform with an extremely large Cys-rich region of PC6, a Kex2-like processing endoprotease.Nakagawa T., Murakami K., Nakayama K.FEBS Lett. 327:165-171(1993)Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.