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32-20664: Recombinant Human Furin(Discontinued)

Reactivity : Human
Alternative Name : FUR, PACE, PCSK3

Description

Source:Â Hi-5 Insect cells
Proteases (also called Proteolytic Enzymes, Peptidases, or Proteinases) are enzymes that hydrolyze the amide bonds within proteins or peptides. Most proteases act in a specific manner, hydrolyzing bonds at, or adjacent to specific residues or a specific sequence of residues contained within the substrate protein or peptide. Proteases play an important role in most diseases and biological processes, including prenatal and postnatal development, reproduction, signal transduction, the immune response, various autoimmune and degenerative diseases, and cancer. They are also an important research tool, frequently used in the analysis and production of proteins. Â Furin is a calcium-dependent serine endoprotease that processes numerous proproteins of different secretory pathways into their mature forms by cleaving at the carboxyl side of the recognition sequence, R-Xaa-(K/R)-R, where Xaa can be any amino acid. Â Recombinant Human Furin is a 63.9 kDa protein, corresponding to residues 131 through 715 of the Furin precursor, plus a C-terminal His-tag.

Product Info

Amount : 2 µg / 10 µg
Purification : Purity:>= 95% by SDS-PAGE gel and HPLC analyses.
Content : This recombinant protein is supplied in lyophilized form.
Amino Acid : DLNVKAAWAQ GYTGHGIVVS ILDDGIEKNH PDLAGNYDPG ASFDVNDQDP DPQPRYTQMN DNRHGTRCAG EVAAVANNGV CGVGVAYNAR IGGVRMLDGE VTDAVEARSL GLNPNHIHIY SASWGPEDDG KTVDGPARLA EEAFFRGVSQ GRGGLGSIFV WASGNGGREH DSCNCDGYTN SIYTLSISSA TQFGNVPWYS EACSSTLATT YSSGNQNEKQ IVTTDLRQKC TESHTGTSAS APLAAGIIAL TLEANKNLTW RDMQHLVVQT SKPAHLNAND WATNGVGRKV SHSYGYGLLD AGAMVALAQN WTTVAPQRKC IIDILTEPKD IGKRLEVRKT VTACLGEPNH ITRLEHAQAR LTLSYNRRGD LAIHLVSPMG TRSTLLAARP HDYSADGFND WAFMTTHSWD EDPSGEWVLE IENTSEANNY GTLTKFTLVL YGTAPEGLPV PPESSGCKTL TSSQACVVCE EGFSLHQKSC VQHCPPGFAP QVLDTHYSTE NDVETIRASV CAPCHACSAT CQGPALTDCL SCPSHASLDP VEQTCSRQSQ SSRESPPQQQ PPRLPPEVEA GQRLRAGLLP SHLPEHHHHH HHH

Application Note

Measured by its ability to cleave the fluorogenic peptide substrate Boc-Arg-Val-Arg-Arg-AMC

For Research Use Only. Not for use in diagnostic/therapeutics procedures.