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32-13242: FURIN Human

Alternative Name :	Furin (Paired Basic Amino Acid Cleaving Enzyme), PCSK3, PACE, FUR, Paired Basic Amino Acid Residue-Cleaving Enzyme, EC 3.4.21.75, Paired Basic Amino Acid Cleaving Enzyme (Furin, Membrane Associated Receptor Protein), Proprotein Convertase Subtilisin/Kexin Type 3, Furin, Membrane Associated Receptor Protein, Dibasic Processing Enzyme, Dibasic-Processing Enzyme, FES Upstream Region, EC 3.4.21, Furin, SPC1, Dibasic-processing enzyme, Paired basic amino acid residue-cleaving enzyme.

Description

Source: Escherichia Coli.
Sterile Filtered clear solution.
Furin is a member of the peptidase S8 family. Furin signifies the ubiquitous endoprotease activity within constitutive secretory pathways as well as capable of cleavage at the RX (K/R) R consensus motif. Furin is considered to be one of the proteases responsible for the activation of HIV envelope glycoproteins gp160 as well as gp140 and might take part in tumor progression. Among the diseases associated with FURIN are dementia, familial british and plague.
FURIN Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 645 amino acids (108-715 a.a) and having a molecular mass of 69.8kDa. FURIN is fused to a 37 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount :	5 µg / 20 µg
Purification :	Greater than 85.0% as determined by SDS-PAGE.
Content :	FURIN protein solution (1mg/ml) containing 20mM Tris-HCl (pH8.0) and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMDVY QEPTDPKFPQ QWYLSGVTQR 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 CAPCHASCAT CQGPALTDCL SCPSHASLDP VEQTCSRQSQ SSRESPPQQQ PPRLPPEVEA GQRLRAGLLP SHLPE.