9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

FURIN Human

Furin Human Recombinant
RCP0882

Product Overview

Name	FURIN Human
Description	
Furin Human Recombinant	
Accession (Primary)	P09958
Synonyms	
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.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
FURIN protein solution (1mg/ml) containing 20mM Tris-HCl (pH8.0) and 10% glycerol.	
Stability	
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.	
Purity	
Greater than 85.0% as determined by SDS-PAGE.	
Amino acid sequence	
MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSM DVY QEPTDPKFPQ QWYLSGVTQR DLNVKAAWAQ	

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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.

Precautions

FURIN Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P09958)