

Product Data Sheet

Product Name: FURIN Human
 Cat. No.: GP23519
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.

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.

Amino Acid Sequence
 MRGSHHHHHHGMASMTGGQQ MGRDLYDDDD KDRWGSMDEVY
 QEPTDPKFPQ QWYLSGVTQR DLNVKAAWAQ GYTGHGIVVSILDDGIEKNH
 PDLAGNYDPG ASFDVNDQDP DPQPRYTQMN DNRHGTRCAG EVAAVANNGV
 CGVGVAYNARIGGVRMLDGE VTDAVEARSL GLNPNHIHIY SASWGPEDDG
 KTVDGPARLA EEAFFRGVSQ GRGGLGSIFVWASGNGGREH DSCNCDGYTN
 SIYTLSSISA TQFGNVPWYS EACSSTLATT YSSGNQNEKQ
 IVTTDLRQKCTESHTGTSAS APLAAGIIL TLEANKNLTW RDMQHLLVVQT
 SKPAHLNAND WATNGVGRKV SHSYGYGLLDAGAMVALAQN WTTVAPQRKC
 IIDILTEPKD IGRLEVRKT VTACLGEPNH ITRLEHAQAR
 LTLSYNRRGDLAIHLVSPMG TRSTLLAARP HDYSADGFND WAFMTTHSWD
 EDPSGEWVLE IENTSEANNY GTLTKFTLVLYGTAPEGLPV PPESGCKTL
 TSSQACVVCE EGFSLHQKSC VQHCPPGFAP QVLDTHYSTE
 NDVETIRASVCAPCHASCAT CQGPALTDCL SCPSHASLDP VEQTCSRQSQ
 SSRESPPQQQ PPRLPPEVEA GQRLRAGLLPSHLPE.

Formulation FURIN protein solution (1mg/ml) containing 20mM Tris-HCl (pH8.0) and 10% glycerol.

Introduction

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

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 plaque.

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.

Background

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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA