

Recombinant human Furin protein

Catalog Number: ATGP3028

PRODUCT INFORMATION

Expression system

E.coli

Domain

108-715aa

UniProt No.

P09958

NCBI Accession No.

NP_002560.1

Alternative Names

Furin, FuR, PACE, PCSK3, SPC1

PRODUCT SPECIFICATION

Molecular Weight

69.8 kDa (645aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Furin is likely to represent the ubiquitous endoprotease activity within constitutive secretory pathways and capable of cleavage at the RX (K/R) R consensus motif. Recombinant human Furin, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

<MRGSHHHHHH GMASMTGGGQ MGRDLYDDDD KDRWGSM>DVY QEPTDPKFPQ QWYLSGVTQR DLNVKAAWAQ
GYTGHGIVVS ILDDGIEKNH PDLAGNYDPG ASFDVNDQDP DPQPRYTQMN DNRHGTRCAG EVAAVANNGV

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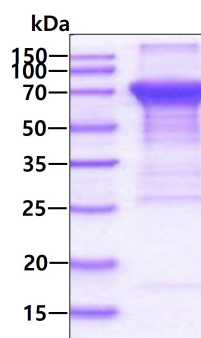
CGVGVAYNAR IGGVRMLDGE VTDAVEARSL GLNPNHIHIY SASWGPEDDG KTVDGPARLA EEAFFRGVSQ GRGGLGSIFV
WASGNGGREH DSCNCDGYTN SIYTLSSISA TQFGNVPWYS EACSSTLATT YSSGNQNEKQ IVTTDLRQKC TESHTGTSAS
APLAAGIIAL TLEANKNLTW RDMQHLVVQT SKPAHLNAND WATNGVGRKV SHSYGYGLLD AGAMVALAQN
WTTVAPQRKC IIDILTEPKD IGRLEVRKT VTACLGEPNH ITRLEHAQAR LTLSYNRRGD LAIHLVSPMG TRSTLLAARP
HDYSADGFND WAFMTTHSWD EDPSGEWVLE IENTSEANNY GTLTKFTLV L YGTAPEGLPV PPESGCKTL TSSQACVVCE
EGFSLHQKSC VQHCPPGFAP QVLDTHYSTE NDVETIRASV CAPCHASCAT CQGPALTDCL SCPSHASLDP VEQTCSRQSQ
SSRESPPQQQ PPRLPPEVEA GQRLRAGLLP SHLPE

General References

Tse LV., et al. (2014) J. Virol. 88 (3), 1673-1683

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.