

Recombinant human PCSK1N protein

Catalog Number: ATGP2488

PRODUCT INFORMATION

Expression system

E.coli

Domain

34-260aa

UniProt No.

Q9UHG2

NCBI Accession No.

NP_037403

Alternative Names

ProSAAS precursor, ProSAAS precursor, Proprotein convertase subtilisin/kexin type 1 inhibitor, PROSAAS; SAAS

PRODUCT SPECIFICATION

Molecular Weight

26.6 kDa (251aa)

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing , 10% glycerol, 0.4M urea

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

Members of the subtilisin-like proprotein convertase family process latent precursor proteins into their biologically active products. PCSK1N functions as an inhibitor of prohormone convertase 1, which regulates the proteolytic cleavage of neuroendocrine peptide precursors. Recombinant human PCSK1N protein, fused to His-tag at N-terminus, was expressed in E. coli.

Amino acid Sequence

MGSSHHHHHHH SSGLVPRGSH MGSMARPVKE PRGLSAASPP LAETGAPRRF RRSVPRGEAA GAVQELARAL AHLLEAERQE

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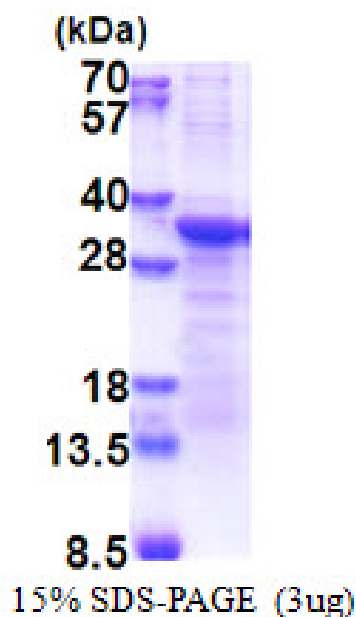
RARAEAEAE DQQARVLAQL LRVWGAPRNS DPALGLDDDDP DAPAAQLARA LLRARLDPAA LAAQLVPAPV PAAALRPRPP
VYDDGPAGPD AEEAGDETPD VDPELLRYLL GRILAGSADS EGVAAPRRLR RAADHDVGSE LPPEGVLGAL LRVKRLETPA
PQVPARRLLP P

General References

Fricker L., McKinzie A.A., et al. (2000). J. Neurosci. 20:639-648

DATA

SDS-PAGE



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