

32-4412: Recombinant Human Proprotein Convertase Subtilisin/Kexin Type 1 Inhibitor

Uniprot ID : Q9UHG2

Alternative Name : ProSAAS precursor,Proprotein convertase subtilisin/kexin type 1 inhibitor,PROSAAS; SAAS,PCSK1N.

Description

Source : Escherichia Coli. PCSK1N Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 251 amino acids (34-260) and having a molecular mass of 26.6 kDa.PCSK1N is fused to a 24 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques. Proprotein Convertase Subtilisin/Kexin Type 1 Inhibitor (PCSK1N) takes part in the control of the neuroendocrine secretory pathway. PCSK1N inhibits prohormone convertase 1, which regulates the proteolytic cleavage of neuroendocrine peptide precursors. PCSK1N slows down convertase-mediated processing of proopiomelanocortin and proenkephalin and also monitors the intracellular timing of PCSK1.

Product Info

Amount : 10 µg

Purification : Greater than 85.0% as determined by SDS-PAGE.

Content : The PCSK1N solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.

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 : MGSSHHHHHH SSSLVPRGSH MGSMARPVKE PRGLSAASPP LAETGAPRRF RRSVPRGEAA
GAVQELARAL AHLLEAERQE RARAEAEAE DQARVLAQL LRVWGAPRNS DPALGLDDDP
DAPAAQLARA LLRARLDPAA LAAQLVPAPV PAAALRPRPP VYDDGPAGPD AEEAGDETPD VDPELLRYLL
GRILAGSADS EGVAAPRRLR RAADHDVGSE LPPEGVLGAL LRVKRLETPA PQVPARRLLP P.

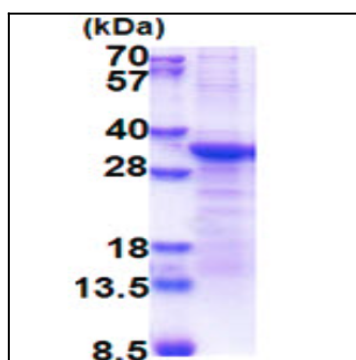


Figure 1: Coomassie Gel with 3 µg of PCSK1N Protein under reducing condition