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**Product Data Sheet**


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Product Name: PCSK1N Human

Cat. No.: GP24141

Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	ProSAAS precursor; Proprotein convertase subtilisin/kexin type 1 inhibitor; PROSAAS; SAAS; PCSK1N.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMARPVKE PRGLSAASPP LAETGAPRRF RRSVPRGEAA GAVQELARAL AHLLEAERQE RARAEAEQAE DQQARVLAQL LRVWGAPRNS DPALGLDDDP DAPAAQLARA LLRARLDPAA LAAQLVPAPV PAAALRPRPP VYDDGPAGPD AEEAGDETPD VDPELLRYLL GRILAGSADS EGVAAPRRLR RAADHDVGSE LPPEGVLGAL LRVKRLETPA PQVPARRLLP P.		
Formulation	The PCSK1N solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.		

**Introduction**

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.

**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**

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

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

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proprietary chromatographic techniques.

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