
Product Data Sheet

Product Name: KCNIP3 Human
 Cat. No.: GP23731
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Calsenilin; A-type potassium channel modulatory protein 3; DRE-antagonist modulator; Kv channel-interacting protein 3; KCNIP3; CSEN; DREAM; KCHIP3; MGC18289.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MQPAKEVTKA SDGSLLGDLG HTPLSKKEGI KWQRPRLSRQ ALMRCCLVKW ILSSTAPQGS DSSDSELELS TVRHQPEGLD QLQAQTKFTK KELQSLYRGF KNECPTGLVD EDTFKLIYAQ FFPQGDATTY AHFLNFAFDA DGNGAIHFED FVVGLSILLR GTVHEKLLKWA FNLYDINKDG YITKEEMLAI MKSIYDMMGR HTYPILREDA PAEHVERFFE KMDRNQDGVV TIEEFLEACQ KDENIMSSMQ LFENVI.		
Formulation	The KCNIP3 solution (1 mg/ml) contains 20mM Tris-HCl buffer(pH 8.0), 10% glycerol, 2mM DTT and 0.1M NaCl.		

Introduction

KCNIP3 belongs to a family of voltage-gated potassium (Kv) channel-interacting proteins, which belong to the recoverin branch of the EF-hand superfamily. KCNIP family members are small calcium binding proteins containing EF-hand-like domains. KCNIP3 also functions as a calcium-regulated transcriptional repressor, and interacts with presenilins. Mutations in the presenilin genes are implicated in Alzheimer's disease.

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

KCNIP3 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced

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

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in E.Coli is a single, non-glycosylated, polypeptide chain containing 276 amino acids (1-256 a.a.) and having a molecular mass of 31.4kDa. The KCNIP3 is purified by proprietary chromatographic techniques.

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