

# Product information

**KCNIP3, 1-256 aa**

**Human, His-tagged, Recombinant, *E.coli***

**Cat. No. IBATGP0789**

**Full name:** Calsenilin

**NCBI Accession No.:** NP\_038462

**Synonyms:** CSEN, DREAM, KCHIP3, MGC18289.

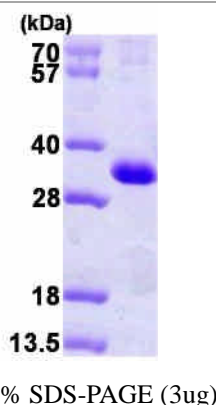
**Description:** KCNIP3 is a member of the family of voltage-gated potassium (Kv) channel-interacting proteins, which belong to the recoverin branch of the EF-hand superfamily. Members of the KCNIP family are small calcium binding proteins containing EF-hand-like domains. This protein also functions as a calcium-regulated transcriptional repressor, and interacts with presenilins. Mutations in the presenilin genes have been implicated in Alzheimer's disease. Recombinant human KCNIP3 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

**Form:** Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 2mM DTT, 0.1M NaCl.

**Molecular Weight:** 31.4 kDa (276aa) confirmed by MALDI-TOF

**Purity:** > 90 % by SDS – PAGE

**Concentration:** 1 mg/ml (determined by Bradford assay)



**Sequences of amino acids:**

MGSSHHHHH SSGLVPRGSH MQPAKEVTKA SDGSLLDGLG HTPLSKKEGI KWQRPRLSRQ ALMRCCLVKW ILSSTAPQGS DSSDSELELS  
TVRHQPEGLD QLQAQTKFTK KELQSLYRGF KNECPTGLVD EDTFKLIYAQ FFPQGDATTY AHFLFNAFDA DGNGAIHFED FVGLSILLR  
GTVHEKCLKWA FNLYDINKDG YITKEMLAI MKSIYDMMGR HTYPIILREDA PAEHLVERFFE KMORNQDGVV TIEEFLEACQ KDENIMSSMQ  
LFENVI

**General references:**

Buxbaum JD., *et al.* (1998) *Nat Med.* 4(10):1177-81.

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

**For research use only. This product is not intended or approved for human, diagnostics or veterinary use.**