

Recombinant human KCNIP3 protein

Catalog Number: ATGP0789

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-256aa

UniProt No.

Q9Y2W7

NCBI Accession No.

NP_038462

Alternative Names

Calsenilin, Calsenilin, CSEN, DREAM, KCHIP3, MGC18289

PRODUCT SPECIFICATION

Molecular Weight

31.4 kDa (276aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

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

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.

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Amino acid Sequence

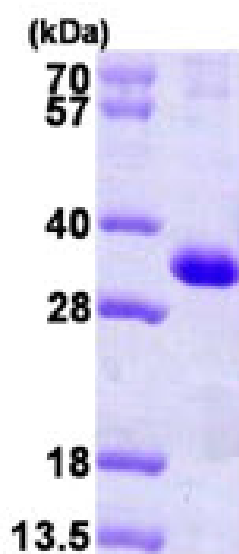
MGSSHHHHHH SSGLVPRGSH MQPAKEVTKA SDGSLGDLG HTPLSKKEGI KWQRPRLSRQ ALMRCCLVKW ILSSTAPQGS
DSSDSELELS TVRHQPEGLD QLQAQTKFTK KELQSLYRGF KNECPTGLVD EDTFKLIYAQ FFPQGDATTY AHFLFNAFDA
DGNGAIHFED FVVGLSILLR GTVHEKWKWA FNLYDINKDG YITKEEMLAI MKSIYDMMGR HTYPILREDA PAEHVERFFE
KMDRNQDGVV TIEEFLEACQ KDENIMSSMQ LFENVI

General References

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

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)