

Recombinant human CNRIP1 protein

Catalog Number: ATGP1713

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-164aa

UniProt No.

Q96F85

NCBI Accession No.

NP_056278

Alternative Names

CB1 cannabinoid receptor-interacting protein 1, C2orf32, CRIP1

PRODUCT SPECIFICATION

Molecular Weight

21 kDa (187aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 20% glycerol, 1mM DTT

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

CB1 cannabinoid receptor-interacting protein 1, also known as CNRIP1, is a 164 amino acid protein and G-protein coupled receptor that belongs to the CNRIP family. Involved in appetite, synaptic plasticity, neuroprotection and analgesia, CNRIP1 exists as two alternatively spliced isoforms which have been designated CNRIP1 isoforms 1 and 2, or CRIP1a and CRIP1b, respectively. It is expressed in brain tissue and, in low levels, in testis. Recombinant human CNRIP1 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 MGSMGDLPLG VRLSIALRIQ PNDGPVIFYK DGQRFQNRK IKLLTGSSYK VEVKIKPSTL
QVENISIGGV LVPLELKSKE PDGDRVYTG TYDTEGVTPT KSGERQPIQI TMPFTDIGTF ETVWQVKFYN YHKRDHCQWG
SPFSVIEYEC KPNETRSLMW VNKESFL

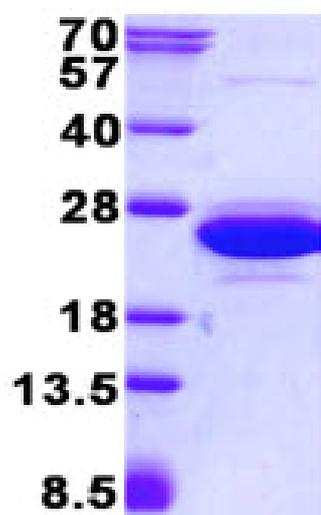
General References

Valverde O., et al. (2000) Eur J Neurosci. 12:533-539

Gerard C M., et al. (1991) Biochem J. 279: 129-134.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)