

# 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**

&gt; 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 MGS>MGDLPGL VRLSIALRIQ PNDGPVFYKV DGQRFQGNRT IKLLTGSSYK  
VEVKIKPSTL QVENISIGGV LVPLELKSKE PDGDRVVTG TYDTEGVTPT KSGERQPIQI TMPFTDIGTF ETVWQVKFYN  
YHKRDHCQWG SPFSVIEYEC KPNETRSLMW VNKESFL

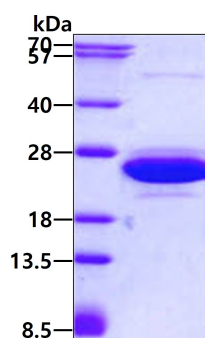
### General References

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.