

# Recombinant human CNRIP1 protein

Catalog Number: ATGP1713

## PRODUCT INFORMATION

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### 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

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### 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

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### 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

<MGSSHHHHH SSGLVPRGSH MGS>MGDLPGL VRLSIALRIQ PNDGPVFYKV DGQRFQNRRT IKLLTGSSYK  
VEVKIKPSTL QVENISIGGV LVPLELKSKE PDGDRVVYTG TYDTEGVTPT KSGERQPIQI TMPFTDIGTF ETVWQVKFYN  
YHKRDHCQWG SPFSVIEYEC KPNETRSLMW VNKESFL

### General References

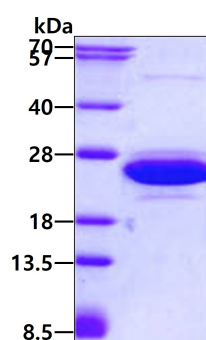
Valverde O., et al. (2000) Eur J Neurosci. 12:533-539

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

## DATA

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### SDS-PAGE



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