

# Recombinant human NECAP2 protein

Catalog Number: ATGP0973

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-263aa

### UniProt No.

Q9NVZ3

### NCBI Accession No.

NP\_060560

### Alternative Names

NECAP endocytosis associated 2, FLJ10420

## PRODUCT SPECIFICATION

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### Molecular Weight

30.5 kDa (283aa) 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

> 85% 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

NECAP2, also known as adaptin ear-binding coat-associated protein 2, is a essential protein paralogues for clathrin-mediated membrane trafficking that are enriched in CCV coats. This protein colocalizes with AP-2 at the plasma membrane by binding AP-2s alpha-ear domain, and interacts with AP-1, AP-2 and several GAE domain proteins termed GGA1, GGA2 and GGA3. NECAP2 is Involved in endocytosis. Recombinant human NECAP2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

## Recombinant human NECAP2 protein

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### Amino acid Sequence

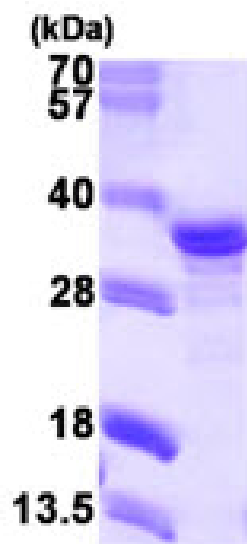
MGSSHHHHHH SSGLVPRGSH MEESGYESVL CVKPDVHVYR IPPRATNRGY RAAEWQLDQP SWSGRLRITA KGQMAYIKLE  
DRTSGELFAQ APVDQFPGTA VESVTDSSRY FVIRIEDGNG RRAFIGIGFG DRGDADFNV ALQDHFKWVK QQCEFAKQAQ  
NPDQGPCLDL GFKEGQTIKL NIANMKKKEG AAGNPRV RPA STGGLSLLPP PPGGKTSTLI PPPGEQLAVG GSLVQPAVAP  
SSGGAPVWP QPNPATADIW GDFTKSTGST SSQTQPGTGW VQF

### General References

Miller GJ., et al. (2003) Nat Struct Biol. 10(8):599-606.  
Mattera R., et al. (2004) J Biol Chem. 279(9):8018-28.

## DATA

### SDS-PAGE



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

15% SDS-PAGE (3ug)