

AR09913PU-L

Human NECAP2 (1-263, His-tag) - Purified

Alternate names:

Adaptin ear-binding coat-associated protein 2

Quantity:

0.5 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

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 α -ear domain, and interacts with AP-1, AP-2 and several GAE domain proteins termed GGA1, GGA2 and GGA3. NECAP2 is Involved in endocytosis.

Uniprot ID:

[Q9NVZ3](#)

NCBI:

[NP_001138749](#)

GeneID:

[55707](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >85%

Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 0.1M NaCl

Description:

Recombinant human NECAP2 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MEESGYESVL CVKPDVHVYR IPPRATNRY RAAEWQLDQP
SWSGRLRITA KGQMAYIKLE DRTSGELFAQ APVDQFPQTA VESVTDSSRY FVIRIEDGNG
RRAFIGIGFG DRGDAFDFNV ALQDHFQWVK QQCEFAKQAQ NPDQGPCLDL GFKEGQTIKL
NIANMKKKEG AAGNPRVRPA STGGLSLLPP PPGGKTSTLI PPPGEQLAVG GSLVQPAVAP
SSGGAPVPWP QPNPATADIW GDFTKSTGST SSQTQPGTGW VQF

Molecular weight: 30.5 kDa (283 aa) confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Miller GJ., et al. (2003) Nat Struct Biol. 10(8):599-606.

Mattera R., et al. (2004) J Biol Chem. 279(9):8018-28.

Pictures:

Recombinant human NECAP2, 1-263 aa,
His-tagged

