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Recombinant human NECAP2 protein

Catalog Number: ATGP0973

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-263aa

UniProt No.
Q9NVZ3

NCBI Accession No.
NP_060560

Alternative Names
NECAP endocytosis associated 2, FLJ10420

PRODUCT SPECIFICATION

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

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.

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Amino acid Sequence

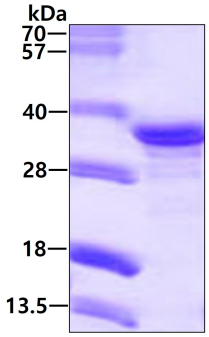
<MGSSHHHHHH SSGLVPRGSH> MEESGYESVL CVKPDVHVYR IPPRATNRGY RAAEWQLDQP SWSGRLRITA KGQMAYIKLE DRTSGELFAQ APVDQFPGTA VESVTDSSRY FVIRIEDGNG RRAFIGIGFG DRGDAFDFNV ALQDHFKWVK QQCEFAKQAQ NPDQGPKLDL GFKEGQTIKL NIANMKKKEG AAGNPRVRPA STGGLSLLPP PPGGKTSTLI PPPGEQLAVG GSLVQPAVAP SSGGAPVPWP QPNPATADIW GDFTKSTGST SSQTQPGTGW 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.