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### Recombinant human NECAP2 protein

Catalog Number: ATGP0973

#### PRODUCT INFORMATION

#### **Expression system**

E.coli

#### **Domain**

1-263aa

#### UniProt No.

O9NVZ3

#### **NCBI Accession No.**

NP 060560

#### **Alternative Names**

NECAP endocytosis associated 2, FLI10420

#### 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**

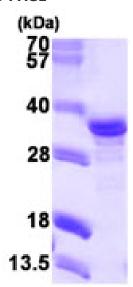
MGSSHHHHHH SSGLVPRGSH MEESGYESVL CVKPDVHVYR IPPRATNRGY RAAEWQLDQP SWSGRLRITA KGQMAYIKLE DRTSGELFAQ APVDQFPGTA VESVTDSSRY FVIRIEDGNG RRAFIGIGFG DRGDAFDFNV ALQDHFKWVK QQCEFAKQAQ NPDQGPKLDL GFKEGQTIKL NIANMKKKEG AAGNPRVRPA STGGLSLLPP PPGGKTSTLI PPPGEQLAVG GSLVQPAVAP SSGGAPVPWP QPNPATADIW GDFTKSTGST SSQTQPGTGW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



15% SDS-PAGE (3ug)

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