



# Recombinant Protein Technical Manual

## Recombinant Human NECAP2 Protein (His Tag)

RPES2100

### Product Data:

**Product SKU:** RPES2100

**Size:** 10µg

**Species:** Human

**Expression host:** E. coli

**Uniprot:** Q9NVZ3

### Protein Information:

**Molecular Mass:** 31.5 kDa

**AP Molecular Mass:** 35 kDa

**Tag:** N,C-6His

**Bio-activity:**

**Purity:** > 90 % as determined by reducing SDS-PAGE.

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

**Shipping:** This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.

**Formulation:** Supplied as a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH7.4.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Adaptin ear-binding coat-associated protein 2; NECAP endocytosis associated protein 2; NECAP2

## Immunogen Information:

**Sequence:** Met 1-Phe263

## Background:

NECAP2 belongs to the NECAP family. The WXXF motifs mediate binding of accessory proteins to the ear-domain of AP, GGAs and AP-2 through hydrophobic interactions. Adaptin ear-binding coat-associated protein 2 can interact with AP1G1 and AP2A1 components of the adapter protein complex AP and AP-2. It also interacts with the GAE domain proteins GGA1, GGA2 and GGA3.