

Recombinant human NACA protein

Catalog Number: ATGP1286

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-215aa

UniProt No.

Q13765

NCBI Accession No.

NP_001106672.1

Alternative Names

Nascent polypeptide-associated complex alpha subunit, HSD48, MGC117224, NACA1

PRODUCT SPECIFICATION

Molecular Weight

25.5 kDa (235aa) confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Concentration

1mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.15M NaCl

Purity

> 95% 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

NACA is member of the nascent polypeptide associated complex (NAC) alpha subunit family that participate in preventing inappropriate targeting of non-secretory polypeptides to the endoplasmic reticulum (ER). Most NACA proteins localize to both nucleus as well as cytoplasm, and contain NAC-A/B (NAC-alpha/beta) and uBA (ubiquitin-associated) domains. The uBA domain is associated with proteins involved in the ubiquitin-proteasome pathway for protein degradation. Recombinant human NACA 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> MPGEATETVP ATEQELPQPQ AETGSGTESD SDESVPLEEE QDSTQATTQQ
AQLAAAAEID EEPVSKAKQS RSEKKARKAM SKLGLRQVTG VTRVTIRKSK NILFVITKPD VYKSPASDTY IVFGEAKIED
LSQQAQLAAA EKFKVQGEAV SNIQENTQTP TVQEESEEEE VDETGVEVKD IELVMSQANV SRAKAVRALK NNSNDIVNAI
MELTM

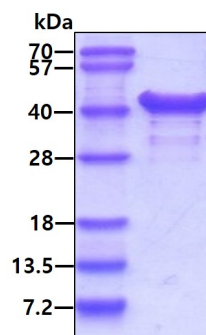
General References

Lopez S., et al. (2005) J Cell Sci. 118(8):1595-605.

Stilo R., et al. (2003) Biochem Biophys Res Commun. 303(4):1034-41.

DATA

SDS-PAGE



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