

Recombinant Human Nascent Polypeptide-Associated Complex Alpha Subunit, His-tagged

Cat. No. NACA-1286H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human NACA protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	Human
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.
Form	Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol, 1mM DTT, 0.15M NaCl.
Molecular Weight	25.5 kDa (235aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)
Purity	> 95 % by SDS - PAGE
Concentration	1 mg/ml (determined by BCA)

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Sequences of amino acids

MGSSHHHHHH SSGLVPRGSH MPGEATETVP ATEQELPQPQ AETGSGTESD
 SDESVPLEEE QDSTQATTQQ AQLAAAAEID EEPVSKAKQS RSEKKARKAM
 SKLGLRQVTG VTRVTIRKSK NILFVITKPD VYKSPASDTY IVFGEAKIED
 LSQQAQLAAA EKFKVQGEAV SNIQENTQTP TVQEESEEEE VDETGVVEVKD
 IELVMSQANV SRAKAVRALK NNSNDIVNAI MELTM

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name [NACA nascent polypeptide-associated complex alpha subunit \[Homo sapiens \]](#)

Official Symbol [NACA](#)

Synonyms

NACA; nascent polypeptide-associated complex alpha subunit; HSD48; NACA1; MGC117224; nascent polypeptide-associated complex subunit alpha; NAC-alpha; alpha-NAC; Alpha-NAC; Allergen Hom s 2; nascent-polypeptide-associated complex alpha polypeptide; Nascent polypeptide-associated complex subunit alpha

Gene ID [4666](#)

mRNA Refseq [NM_001113201](#)

Protein Refseq [NP_001106672](#)

MIM [601234](#)

UniProt ID [Q13765](#)

Chromosome [12q23-q24.1](#)

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Location	
Function	DNA binding

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