

Recombinant Human NACA, His-tagged

Cat. No. NACA-27839TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length Human NACA1 with a N terminal His tag; 235 amino acids with a predicted MWt 25.5 kDa including tag.
Species	Human
Source	E.coli
ProteinLength	215 amino acids
Description	The protein encoded by this gene associates with basic transcription factor 3 (BTF3) to form the nascent polypeptide-associated complex (NAC). NAC binds to nascent proteins as they emerge from the ribosome, blocking interaction with the signal recognition particle (SRP) and preventing mistranslocation to the endoplasmic reticulum. However, nascent proteins with an exposed signal peptide will not be bound by the encoded protein, enabling them to bind the SRP and enter the secretory pathway. This protein has been determined to be an IgE autoantigen in atopic dermatitis patients. Several transcript variants encoding two different isoforms have been found for this gene.
Conjugation	HIS
Molecular Weight	25.500kDa inclusive of tags
Tissue specificity	Ubiquitously expressed.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	pH: 8.00 Constituents: 0.32% Tris HCl, 10% Glycerol, 0.02% DTT, 0.88% Sodium chloride
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSHMPGEATETVPATEQELPQPQ AETGSGTESDSDES VPELEEQDSTQATTQQAQLAAAAEID EEPVSKAKQSRSEKKARKAMSKLGLRQVTG VTRVTIRKSK NILFVITKPDVYKSPASDTYIVFGEAKIEDLSQQAQLAAA EKFKVQGE AVSNIQENTQTPTVQEESEEEVEDETGVEVKD IELVMSQANVSRKAVRALKNNSN DIVNAIMELTM
Sequence Similarities	Belongs to the NAC-alpha family. Contains 1 NAC-A/B (NAC-alpha/beta) domain. Contains 1 UBA domain.

GENE INFORMATION

Gene Name	NACA nascent polypeptide-associated complex alpha subunit [Homo sapiens]
Official Symbol	NACA
Synonyms	NACA; nascent polypeptide-associated complex alpha subunit; nascent polypeptide associated complex alpha polypeptide; nascent polypeptide-associated complex subunit alpha; NACA1;
Gene ID	4666

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mRNA Refseq	NM_001113202
Protein Refseq	NP_001106673
MIM	601234
Uniprot ID	Q13765
Chromosome Location	12q23-q24.1
Function	DNA binding;

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