

Recombinant Human NACA Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NACA-821H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NACA MS Standard C13 and N15-labeled recombinant protein (NP_001106672) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a protein that associates with basic transcription factor 3 (BTF3) to form the nascent polypeptide-associated complex (NAC). This complex binds to nascent proteins that lack a signal peptide motif as they emerge from the ribosome, blocking interaction with the signal recognition particle (SRP) and preventing mistranslocation to the endoplasmic reticulum. This protein is an IgE autoantigen in atopic dermatitis patients. Alternative splicing results in multiple transcript variants, but the full length nature of some of these variants, including those encoding very large proteins, has not been determined. There are multiple pseudogenes of this gene on different chromosomes.
Molecular Mass	23.2 kDa
AA Sequence	MPGEATETVPATEQELPQPQAETGSGTESDSDESVPLEEQDSTQATTQQAQLAA AAEIDEEPVSKAKQSRSEKKARKAMSKLGLRQVTGVTRVTIRKSKNILFVITKPDVYK SPASDTYIVFGAEAKIEDLSQQAQLAAAEKFKVQGEAVSNIQENTQTPTVQEESEEEE VDETGVVEVKDIELVMSQANVSRAKAVRALKNNSNDIVNAIMELTMTRTRPLEQKLISE

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	EDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	NACA nascent polypeptide-associated complex alpha subunit [Homo sapiens (human)]
Official Symbol	NACA
Synonyms	NACA; nascent polypeptide-associated complex alpha subunit; nascent polypeptide associated complex alpha polypeptide; nascent polypeptide-associated complex subunit alpha; NACA1; NAC-alpha; alpha-NAC; nascent-polypeptide-associated complex alpha polypeptide; HSD48; MGC117224;
Gene ID	4666
mRNA Refseq	NM_001113201
Protein Refseq	NP_001106672

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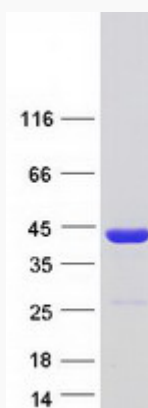
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MIM 601234

UniProt ID Q13765

SDS-PAGE



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