

## Product datasheet for **TP311268L**

### NACA (NM\_005594) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human nascent polypeptide-associated complex alpha subunit (NACA), transcript variant 3, 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC211268 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MPGEATETVPATEQELPQPQAETGSGTESDSDESVPLEEQDSTQATTQQAQLAAAAEIDEEPVSKAKQS  
RSEKKARKAMSKLGLRQVTGVTRVTIRKSKNILFVITKPDVYKSPASDTYIVFGEAKIEDLSQQAQLAAA  
EKFKVQGEAVSNIQENTQTPTVQEESEEEVEDETGVEVKDIELVMSQANVSRKAVRALKNNSNDIVNAI  
MELTM

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 23.2 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_005585](#)

**Locus ID:** 4666



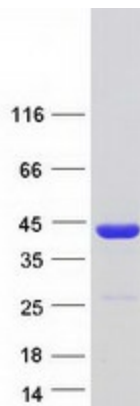
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UniProt ID: [Q13765](#), [A0A024RB41](#)  
RefSeq Size: 1112  
Cytogenetics: 12q13.3  
RefSeq ORF: 645  
Synonyms: HSD48; NAC-alpha; NACA1; skNAC

**Summary:** 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. [provided by RefSeq, Feb 2016]

**Protein Families:** Druggable Genome, Transcription Factors

### Product images:



Coomassie blue staining of purified NACA protein (Cat# [TP311268]). The protein was produced from HEK293T cells transfected with NACA cDNA clone (Cat# [RC211268]) using MegaTran 2.0 (Cat# [TT210002]).