

Product datasheet for PH325258

NACA (NM_001113201) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NACA MS Standard C13 and N15-labeled recombinant protein (NP_001106672)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC225258
Predicted MW:	23.2 kDa
Protein Sequence:	>RC225258 representing NM_001113201 Red=Cloning site Green=Tags(s) MPGEATETVPATEQELPQPQAETGSGTESDSDESVPLEEQDSTQATTQQAQLAAAAEIDEEPVS KAKQS RSEKKARKAMSKLGLRQVTGVTRVTIRKSKNILFVITKPDVYKSPASDTYIVFGEAKIEDLSQQAQLAAA EKFKVQGEAVSNIQENTQTPTVQEESEEEEEVDETGVEVKDIELVMSQANVSRKAVRALKNNSNDIVNAI MELTM TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001106672
RefSeq ORF:	645
Synonyms:	HSD48; NAC-alpha; NACA1; skNAC
Locus ID:	4666
UniProt ID:	Q13765 , A0A024RB41
Cytogenetics:	12q13.3



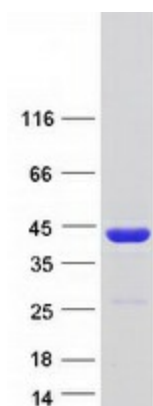
[View online »](#)

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# [TP325258]). The protein was produced from HEK293T cells transfected with NACA cDNA clone (Cat# [RC225258]) using MegaTran 2.0 (Cat# [TT210002]).