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Product datasheet for RC211268L4V

NACA (NM_005594) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	NACA (NM_005594) Human Tagged ORF Clone Lentiviral Particle
Symbol:	NACA
Synonyms:	HSD48; NAC-alpha; NACA1; skNAC
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_005594
ORF Size:	645 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC211268).`
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_005594.2
RefSeq Size:	1112 bp
RefSeq ORF:	648 bp
Locus ID:	4666
UniProt ID:	Q13765
Cytogenetics:	12q13.3
Domains:	NAC
Protein Families:	Druggable Genome, Transcription Factors

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MW: 23.4 kDa

Gene 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]