

Product datasheet for PH301000

C4orf14 (NOA1) (NM_032313) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	C4orf14 MS Standard C13 and N15-labeled recombinant protein (NP_115689)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201000
Predicted MW:	78.5 kDa
Protein Sequence:	>RC201000 protein sequence Red =Cloning site Green =Tags(s)

MLPARLPFRLLSLFLRGSAPTAARHGLREPLLERRCAAASSFQHSSSLGREL PYDPVDTGFGEGGDMQE
 RFLFPEYILDPEPQPTREKQLQELQQQEEERQRQRREERRQNLARSREHPVVGHPDPALPPSGVN
 CSGCGAELHCQDAGVPGYLPREKFLRTAEADGGLARTVCQRCWLLSHRRALRLQVSREQYLELVSAAALR
 RGPSSLVLYMVDLLDLPDALLPDLPALVGPKQLIVLGNKYDLLPQDAPGYRQLRERLWEDCARAGLLLA
 PGHQGPQRPVKDEPDGENPNPNWSRTVVRDVLISAKTGYGVEELISALQSWRYRGDYYLVGATNAG
 KSTLFNTLLES DYCTAKGSEAIDRATISWP GTTLNLLKFPICNPTPYRMFKRHQRLKKDSTQAEEDLSE
 QEQNQLNVLKKHGYVVGVRGRTFLYSEEQKDNIPFEFDADSLAFDMENDPVMGTHKSTKQVELTAQDVKD
 AHWFYDTPGITKENCILNLLTEKEVNIIVLPTQSIVPRTFVLKPGMVLFLGAIGRIDFLQGNQSAWFTVVA
 SNILPVHITSLDRADALYQKHAGHTLLQIPMGGKERMAGFPPLVAEDIMLKEGLGASEAVADIKFSSAGW
 VSVTPNFKDRLHLRGYTPGTVLTVRPPLLPYIVNIKGQRIKKS VAYKTKKPPSLMYNVRKKKGKINV

TRTRPLEEQKLISEEDLAANDILDYKDDDDKV

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:	<u>NP_115689</u>
RefSeq Size:	2307



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RefSeq ORF: 2094

Synonyms: C4orf14; hAtNOS1; hNOA1; mAtNOS1; MTG3

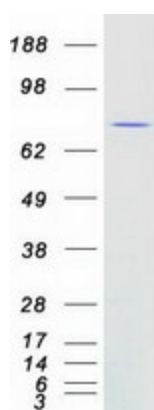
Locus ID: 84273

UniProt ID: [Q8NC60](#)

Cytogenetics: 4q12

Summary: The protein encoded by this gene is a nuclear-encoded GTPase that functions in the mitochondrion. Upon translation, this protein is imported into the nucleus and then into the nucleolus before being exported to the mitochondrion. The encoded protein is required for oxygen-dependent regulation of mitochondrial respiratory complexes and for mitochondrial protein synthesis. [provided by RefSeq, Dec 2015]

Product images:



Coomassie blue staining of purified NOA1 protein (Cat# [TP301000]). The protein was produced from HEK293T cells transfected with NOA1 cDNA clone (Cat# [RC201000]) using MegaTran 2.0 (Cat# [TT210002]).