

Product datasheet for PH314147

C5ORF33 (NADK2) (NM_001085411) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	C5orf33 MS Standard C13 and N15-labeled recombinant protein (NP_001078880)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC214147
Predicted MW:	49.3 kDa
Protein Sequence:	>RC214147 representing NM_001085411 Red=Cloning site Green=Tags(s)

MTCYRGFLLGSCCRVAGGRAAALRPGAGGPAARPRLLGGDGGRRHLGQGQPRELAGCGSRADGGFRPSR
VVVVAKTTRYEFEQRYRYAELSEEDLKQLLALKGSSYSGLLERHHIHTKNVEHIIDSLRNEGIEVRLVK
RREYDEETVRWADAVIAAGDGTMLLAASKVLDRLKPVIGVNTDPERSEGHLCPLVRYTHSFPEALQKFY
RGEFRWLWRQIRLYLEGTGINPVPVDLHEQQLSLNQHNRAINIERAHERSEASGPQLLPVRALNEVFI
GESLSSRASYYEISVDDGPWEKQKSSGLNLCTGTGSKAWSFNINRVATQAVEDVLNIAKRQGNLSLPLNR
ELVEKVTNEYNESLLYSPEEPKILFSIREPIANRVFSSSRQRCFSSKVCVRSRCWDACMVVDGGTSFEFN
DGAIASMMINKEDLRTVLLEQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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_001078880</u>
RefSeq Size:	3898
RefSeq ORF:	1326
Synonyms:	C5orf33; DECRD; MNADK; NADKD1



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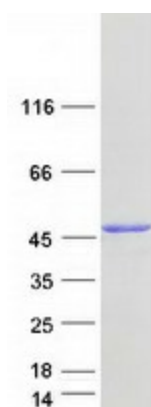
Locus ID: 133686

UniProt ID: [Q4G0N4](#)

Cytogenetics: 5p13.2

Summary: This gene encodes a mitochondrial kinase that catalyzes the phosphorylation of NAD to yield NADP. Mutations in this gene result in 2,4-dienoyl-CoA reductase deficiency. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]

Product images:



Coomassie blue staining of purified NADK2 protein (Cat# [TP314147]). The protein was produced from HEK293T cells transfected with NADK2 cDNA clone (Cat# [RC214147]) using MegaTran 2.0 (Cat# [TT210002]).