

Recombinant Human NDOR1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NDOR1-1856H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NDOR1 MS Standard C13 and N15-labeled recombinant protein (NP_055249) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes an NADPH-dependent diflavin reductase that contains both flavin mononucleotide (FMN) and flavin adenine dinucleotide (FAD) binding domains. The encoded protein catalyzes the transfer of electrons from NADPH through FAD and FMN cofactors to potential redox partners. Alternative splicing results in multiple transcript variants.
Molecular Mass	66.8 kDa
AA Sequence	MPSPQLLVLFQSQTGTAQDVSERLGREARRRRRLGCRVQALDSYPVVNLINEPLVIFV CATTGQGDPDPNMKNFWRFRKLNLPSTALCQMDFAVLGLGDSSYAKFNFVAKKLH RRLQLGGSALLPVCLGDDQHELGPDAAVDPWLRDLWDRVLGLYPPPPGLTEIPPG VPLPSKFTLLFLQEAPSTGSEGQRVAHPGSQEPPSESKPFLAPMISNQRVTGPSHF QDVRLIEFDILGSGISFAAGDVVLIQPSNSAAHVQRFCQVLGLDPDQLFMLQPREPD VSSPTRLPQPCSMRHLVSHYLDIASVPRRSFFELLACLSHELEREKLLFSSAQGQ EELFEYCNRPRTILEVLCDPHTAAAIPPDYLLDLIPVIRPRAFSIASSLLTHPSRLQIL VAVVQFQTRLKEPRRGLCSSWLASLDPGQGQPVVRVPLWVRPGSLAFPETPDTPVIMV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GPGTGVAPFRAAIQERVAQGQTGNFLFFGCRWRDQDFYWEAEWQELEKRDCLTLI
 PAFSREQEYQKIYVQHRLRELGSLVWELLDRQGAYFYLAGNAKSMPADVSEALMSIF
 QEEGGLCSPDAAAYLARLQQTRRFQTETWATRTRPLEQKLISEEDLAANDILDYKDD
 DDKV

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

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name NDOR1 NADPH dependent diflavin oxidoreductase 1 [Homo sapiens (human)]

Official Symbol NDOR1

Synonyms NDOR1; NADPH dependent diflavin oxidoreductase 1; NADPH-dependent diflavin oxidoreductase 1; bA350O14.9; NADPH dependent FMN and FAD containing oxidoreductase; NR1; NADPH-dependent FMN and FAD-containing oxidoreductase; MGC138148;

Gene ID 27158

mRNA Refseq NM_014434

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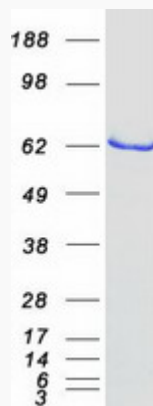
 45-1 Ramsey Road, Shirley, NY 11967, USA

Protein Refseq NP_055249

MIM 606073

UniProt ID Q9UHB4

SDS-PAGE



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