

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

Cat. No. DDO-2052H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DDO MS Standard C13 and N15-labeled recombinant protein (NP_003640) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a peroxisomal flavoprotein that catalyzes the oxidative deamination of D-aspartate and N-methyl D-aspartate. Flavin adenine dinucleotide or 6-hydroxyflavin adenine dinucleotide can serve as the cofactor in this reaction. Several transcript variants encoding different isoforms have been found for this gene.
Molecular Mass	41 kDa
AA Sequence	MRPARHWETRFGARDFGGFQDCFFRDRLMDTARIAVVGAGVVGLSTAVCISKLVPR CSVTIISDKFTPDTTSDVAAGMLIPHTYPDTPIHTQKQWFRETFNHLFAIANSAEAGD AGVHLVSGWQIFQSTPTEEVPFWADVVLGFRKMTEAELKKFPQYVFGQAFTTLKCE CPAYLPWLEKRIKSGGGWTLTRRIEDLWELHPSFDIVVNCGLGSRQLAGDSKIFPV RGQVLQVQAPWVEHFIRDGSGGLTYIYPGTSHVTLGGTRQKGDWNLSPDAENSREIL SRCCALEPSLHGACNIREKVGLRPYRPGVRLQTELLARDGQRLPVVHHYGHGSGGI SVHWGTALEAARLVSECVHALRTPIPKSNLTRTRPLEQKLISEEDLAANDILDYKDDD DKV

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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	DDO D-aspartate oxidase [Homo sapiens (human)]
Official Symbol	DDO
Synonyms	DDO; D-aspartate oxidase; aspartic oxidase; D-aspartate oxidase, DDO; DASOX; DDO-1; DDO-2; FLJ45203;
Gene ID	8528
mRNA Refseq	NM_003649
Protein Refseq	NP_003640
MIM	124450
UniProt ID	Q99489

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SDS-PAGE

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