

Product datasheet for PH307622

D aspartate oxidase (DDO) (NM_003649) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DDO MS Standard C13 and N15-labeled recombinant protein (NP_003640)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207622
Predicted MW:	41 kDa
Protein Sequence:	>RC207622 protein sequence Red=Cloning site Green=Tags(s) MRPARHWETRFGARDFGGFQDCFFRDRLMDTARIAVVGAGVVGLSTAVCISKLVPRCSVTIISDKFTPDT TSDVAAGMLIPHTYPTPIHTQKQWFRETFNHLFAIANSAEAGDAGVHLVSGWQIFQSTPTEEVPFWADV VLGFRKMTEAELKFPQYVFGQAFITLTKCECPAYLPWLEKRIKSGGWTLTRRIEDLWELHPSFDIVVNC SGLGSRQLAGDSKIFPVRGQVLVQAPWVEHFIRDGSLTYIYPGTSHVTLGGTRQKGDWNLSPDAENSR EILSRCCALEPSLHGACNIREKVGLRPYRPGVRLQTELLARDGQRLPVVHHYGHGSGGISVHWGTALEAA RLVSECVHALRTPIPKSNL TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	50 ug/ml as determined by BCA
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	100 mM glycine, 25 mM Tris-HCl, pH 7.3. Store at -80°C. Avoid repeated freeze-thaw cycles. Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_003640</u>
RefSeq Size:	1733
RefSeq ORF:	1107
Synonyms:	DASOX; DDO-1; DDO-2
Locus ID:	8528
Cytogenetics:	6q21

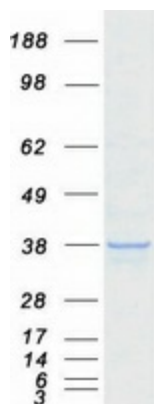


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Summary: The protein encoded by this gene is a peroxisomal flavoprotein that catalyzes the oxidative deamination of D-aspartate and N-methyl D-aspartate. Flavin adenine dinucleotide or 6-hydroxyflavin adenine dinucleotide can serve as the cofactor in this reaction. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2019]

Protein Pathways: Alanine, aspartate and glutamate metabolism

Product images:



Coomassie blue staining of purified DDO protein (Cat# [TP307622]). The protein was produced from HEK293T cells transfected with DDO cDNA clone (Cat# [RC207622]) using MegaTran 2.0 (Cat# [TT210002]).