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Product datasheet for TP307622M

D aspartate oxidase (DDO) (NM_003649) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human D-aspartate oxidase (DDO), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC207622 protein sequence Red=Cloning site Green=Tags(s) MRPARHWETRFGARDFGGFQDCFFRDRLMDTARIAVVGAGVVGLSTAVCISKLVPRCSVTIISDKFTPDT TSDVAAGMLIPHTYPDTPIHTQKQWFRETFNHLFAIANSAEAGDAGVHLVSGWQIFQSTPTEEVPFWADV VLGFRKMTEAELKKFPQYVFGQAFTTLKCECPAYLPWLEKRIKGSGGWTLTRRIEDLWELHPSFDIVVNC SGLGSRQLAGDSKIFPVRGQVLQVQAPWVEHFIRDGSGLTYIYPGTSHVTLGGTRQKGDWNLSPDAENSR EILSRCCALEPSLHGACNIREKVGLRPYRPGVRLQTELLARDGQRLPVVHHYGHGSGGISVHWGTALEAA RLVSECVHALRTPIPKSNL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	40.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_003640
Locus ID:	8528

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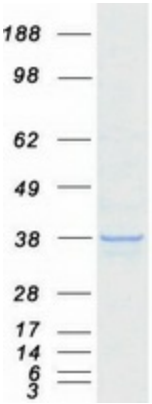
UniProt ID:	Q99489
RefSeq Size:	1733
Cytogenetics:	6q21
RefSeq ORF:	1107
Synonyms:	DASOX; DDO-1; DDO-2
Summary:	The protein encoded by this gene is a peroxisomal flavoprotein that catalyzes the oxidative deamination of D-aspartate and N-methyl D-aspartate. Flavin adenine dinucleotide or 6-hydroxyflavin 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]).