

Recombinant Human DDO Protein, GST-tagged

Cat. No. DDO-2449H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DDO full-length ORF (AAH32786, 1 a.a. - 341 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Molecular Mass	63.25 kDa
AA Sequence	MDTARIAVVGAGVVGLSTAVCISKLVPRCSVTIISDKFTPDTTSDVAAGMLIPHTYPDT PIHTQKQWFRETFNHLFAIANSAEAGDAGVHLVSGWQIFQSTPTEEVFPWADVVLG FRKMTEAELKKFPQYVFGQAFTTLKCECPAYLPWLEKRIKSGSGWTLTRRIEDLWEL HPSFDIVVNCGLGSRQLAGDSKIFPVRGQVLQVQAPWVEHFIRDGSGGLTYIYPGTS HVTLGGRQKGDWNLSPDAENSREILSRCCALEPSLHGACNIREKVGLRPYRPGVR LQTELLARDGQRLPVVHHYGHGSGGISVHWGTALEAARLVSECVHALRTPIPKSNL
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production

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Protein Array

Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	DDO D-aspartate oxidase [Homo sapiens]
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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Quality Control

Testing:

12.5% SDS-PAGE Stained with Coomassie Blue.

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