Recombinant Human DDO, GST-tagged

Cat. No. DDO-11883H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DDO protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-369a.a.
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.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

Gene Name	DDO D-aspartate oxidase [Homo sapiens]

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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
Chromosome Location	6q22.1
Pathway	Alanine, aspartate and glutamate metabolism, organism-specific biosystem; Alanine, aspartate and glutamate metabolism, conserved biosystem; Peroxisome, organism-specific biosystem; Peroxisome, conserved biosystem;
Function	D-amino-acid oxidase activity; D-aspartate oxidase activity; D-aspartate oxidase activity; nucleotide binding; oxidoreductase activity; protein binding;

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