

## Product datasheet for **TP307622L**

### 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, 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC207622 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MRPARHWETRFGARDFGGFQDCFFRDRLMDTARIAVVGAGVWGLSTAVCISKLVPRCSVTIISDKFTPD  
TSDVAAGMLIPHTYPTPIHTQKQWFRETFNHLFAIANSAEAGDAGVHLVSGWQIFQSTPTEVPPFWADV  
VLGFRKMTEAELKKFPQYVFGQAFTTLKCECPAYLPWLEKRIKSGGGWTLTRRIEDLWELHPSFDIVVNC  
SGLGSRQLAGDSKIFPVRGQVLQVQAPWVEHFIRDGSLTYIYPGTSHVTLGGTRQKGDWNLSPDAENSR  
EILSRCCALEPSLHGACNIREKVGLRPGVRLQTELLARDGQRLPVVHHYGHGSGGISVHWGTALEAA  
RLVSECVHALRTPIPKSNL

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**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

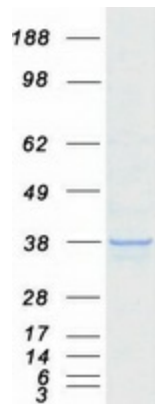
RefSeq ORF: 1107

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]).