



Recombinant Human D-aspartate oxidase (DDO)

Product Code	CSB-EP006593HU
Abbreviation	DDO
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q99489
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MDTARIAVVG AGVVGLSTAV CISKLVPRCS VTIISDKFTP DTTSDVAAGM LIPHTYPDTP IHTQKQWFRE TFNHLFAIAN SAEAGDAGVH LVSGWQIFQS TPTEEVPFWA DVVLGFRKMT EAELKKFPQY VFGQAFTTLK CECPAYLPWL EKRIKSGSGW TLTRRIEDLW ELHPSFDIVV NCSGLGSRQL AGDSKIFPVR GQVLQVQAPW VEHFIRDGSG LTYIYPGTSH VTLGGTRQKG DWNLSPDAEN SREILSRCCA LEPSLHGACN IREKVGLRPY RPGVRLQTEL LARDGQRLPV VHHYGHGSGG ISVHWGTALE AARLVSECVH ALRTPIPKSN L
Source	E.coli
Target Names	DDO
Protein Names	Recommended name: D-aspartate oxidase Short name= DASOX Short name= DDO EC= 1.4.3.1
Expression Region	1-341
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	This protein 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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.



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