D-amino-acid oxidase (Dao) Recombinant Protein | Dao recombinant protein

Recombinant Rat D-amino-acid oxidase (Dao)

CATALOG #	HOST
AAA114783	**E Coli or Yeast or Baculovirus or Mammalian Cell**

PRODUCT SYNONYMS

D-amino-acid oxidase (Dao); Recombinant Rat D-amino-acid oxidase (Dao); Dao recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-346. Full Length
Sequence	MRVAVIGAGV IGLSTALCIH ERYHPAQPLH MKIYADRFTP FTTSDVAAGL WQPYLSDPSN PQEAEWNQQT FDHLQSCLHS PNAEKMGLAL ISGYNLFRDE VPDPFWKSTV LGFRKLTPSE LDMFPDYSYG WFNTSLLLEG KSYLSWLTER LTERGVKFIH RKVASFEEVV RGGVDVIINC TGVWAGALQA DASLQPGRGQ IIQVEAPWIK HFILTHDPSL GIYNSPYIIP GSKTVTLGGV FQLGNWSELN SVHDHNTIWK SCCQLEPTLK NARIMGELTG FRPVRPQVRL ERERLRFGSS SAEVIHNYGH GGYGLTIHWG CAMEAANLFG KILEEKNLSR MPPSHL
Species	Rat
Production Note	**Special Offer:** The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Colihost-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our **or email to** for more details.
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for Dao recombinant protein	This gene encodes the peroxisomal enzyme D-amino acid oxidase. The enzyme is a flavoprotein which uses flavin adenine dinucleotide (FAD) as its prosthetic group. Its substrates include a wide variety of D-amino acids, but it is inactive on the naturally occurring L-amino acids. Its biological function is not known; it may act as a detoxifying agent which removes D-amino acids that accumulate during aging. In mice, it degrades D-serine, a co-agonist of the NMDA receptor. This gene may play a role in the pathophysiology of schizophrenia.

NCBI AND UNIPROT INFORMATION

NCBI GI #	16758434
NCBI GeneID	114027
NCBI Accession #	NP_446078.1
NCBI GenBank Nucleotide #	NM_053626.1
UniProt Accession #	O35078

Molecular Weight	45.8 kDa
NCBI Official Full Name	D-amino-acid oxidase
NCBI Official Synonym Full Names	D-amino-acid oxidase
NCBI Official Symbol	Dao
NCBI Official Synonym Symbols	Dao1
NCBI Protein Information	D-amino-acid oxidase
UniProt Protein Name	D-amino-acid oxidase
UniProt Gene Name	**Dao**
UniProt Synonym Gene Names	Dao1; DAAO; DAMOX; DAO

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://www.aaabiotech.com/dao-recombinant-protein-e-coli/114783