

Product Name: Recombinant Human DAO (N-6His)
Catalog #: PEH0518

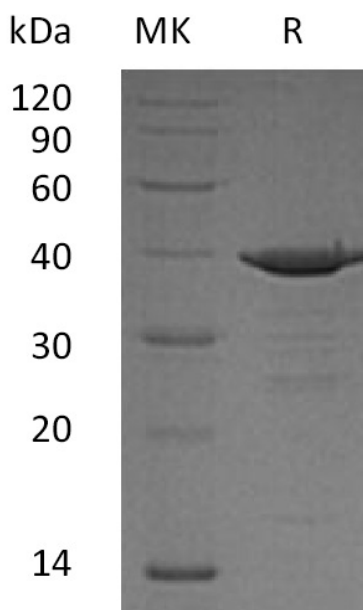


Summary

Name	D-amino-acid oxidase/DAO
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human D-Amino-Acid Oxidase is produced by our E.coli expression system and the target gene encoding Met1-Leu347 is expressed with a 6His tag at the N-terminus.
Accession #	P14920
Host	E.coli
Species	Human
Predicted Molecular Mass	41.64 KDa
Formulation	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 20% Glycerol, 1mM DTT, 2mM EDTA, pH 8.0.
Shipping	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	

SDS-PAGE image

Product Name: Recombinant Human DAO (N-6His)
Catalog #: PEH0518



Alternative Names

D-Amino-Acid Oxidase; DAAO; DAMOX; DAO

Background

D-Amino-Acid Oxidase (DAO) belongs to the DAMOX/DASOX family. DAO is a peroxisomal enzyme which functions as a homodimer to oxidizes D-amino acids to the corresponding imino acids, producing ammonia and hydrogen peroxide. D-amino-acid oxidase regulates the level of the neuromodulator D-serine in the brain, has a high activity towards D-DOPA and contributes to dopamine synthesis. D-amino-acid oxidase could act as a detoxifying agent which removes D-amino acids accumulated during aging. It also acts on a variety of D-amino acids with a preference for those having small hydrophobic side chains followed by those bearing polar, aromatic, and basic groups.

Note

For Research Use Only , Not for Diagnostic Use.