

D-Amino Acid Oxidase Human Recombinant

Item Number	rAP-1436
Synonyms	D-amino-acid oxidase, DAMOX, DAAO, DAO, OXDA, MGC35381.
Description	DAAO Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 367 amino acids (1-347 a.a.) and having a molecular mass of 41.6kDa. The DAAO is purified by proprietary chromatographic techniques.
Uniprot Accession Number	P14920
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MRVVVIGAGV IGLSTALCIH ERYHSLVQLPL DIKVYADRFT PLTTT-DVAAG LWQPYLSDPN NPQEADWSQQ TFDYLLSHVH SPNAENLGLF LISGYNLFHE AIPDPSWKDT VLGFRKLTPR ELDMPFDYGY GWFHTSLILE GKNYLQWLTE RLTERGVKFF QRKVESFEEV AREGAD-VIVN CTGVWAGALQ RDPLLQPGRG QIMKVDAPWM KHFILTHDPE RGIYNSPYII PGTQTVTLGG IFQLGNWSEL NNIQDHNTIW EGCCRLEPTL KNARIIGERT GFRPVRPQIR LEREQLRTGP SNTVEIHNYG HGGYGLTIHW GCALEAAKLF GRILEEKLS RMPPSHL.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The DAAO solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 20% glycerol and 1mM DTT. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**