

Human DAAO Recombinant Protein



RPPB1553

Product Information Protein Information

Product SKU:

RPPB1553

Accession:

P14920

Host:

Escherichia Coli.

Protein description:

DAAO Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 367 amino acids (1-347) and having a molecular mass of 41.6 kDa. DAAO Humanis fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered clear solution.

Synonyms:

D-Amino Acid Oxidase 2, D-Amino-Acid Oxidase, EC 1.4.3.3, DAMOX, DAAO, EC 1.4.3, OXDA.

Formulation:

DAAO Human protein (0.5mg/ml) is formulated in 20mM Tris-HCl buffer (pH 8.0), 20% glycerol & 1mM DTT. .

Purity:

Greater than 95.0% as determined by SDS-PAGE.

Stability:

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.

Amino Acid Sequence:

MGSSHHHHHH SSSLVPRGSH MRVVVIGAGV IGLSTALCIH ERYHSVLQPL DIKVYADRFT PLTTTDVAAG
LWQPYLSDPN NPQEADWSQQ TFDYLLSHVH SPNAENLGLF LISGYNLFHE AIPDPSWKDT VLGFRKLTPR
ELDMFPDYG Y GWFHTSLILE GKNYLQWLTE RLTERGVKFF QRKVESFEEV AREGADVIVN CTGVWAGALQ
RDPLLQPGRG QIMKVDAPWM KHFILTHDPE RGIYNSPYII PGTQTVTLGG IFQLGNWSEL NNIQDHNTIW
EGCCRLEPTL KNARIIGERT GFRPVRPQIR LEREQLRTGP SNTEVIHNYG HGGYGLTIHW GCALEAAKLF
GRILEEKKLS RMPPSHL.

Biological Activity:

Specific activity is > 3.5unit/mg, in which one unit will oxidatively deaminate 1.0 umole of D-alanine to pyruvateper minute at pH 8.5 at 37C, in the presence of catalase.