

Human HAO1 Recombinant Protein



RPPB1794

Product Information Protein Information

Product SKU:

RPPB1794

Accession:

Q9UJM8

Host:

Escherichia Coli.

Protein description:

HAO1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 406 amino acids (1-370 a.a) and having a molecular mass of 45.0kDa. HAO1 is fused to a 36 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Appearance:

Sterile filtered colorless solution.

Synonyms:

Hydroxyacid oxidase 1, HAOX1, Glycolate oxidase, GOX, HAO1, GOX1.

Formulation:

HAO1 protein solution (1mg/ml) contains 20% glycerol, 20mM Tris-Hcl (pH8.0) and 0.5M NaCl.

Purity:

Greater than 95% 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:

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSMLPR LICINDYEQH AKSVLPKSIY
DYYRSGANDE ETLADNIAAF SRWKLYPRMLRNVAETDLST SVLGQRVSMP ICVGATAMQR MAHVDGELAT
VRACQSLGTG MMLSSWATSS IEEVAEAGPE ALRWLQLYIY KDREVTKKLVRQAEMGYKA IFVTVDTPYL
GNRLDDVRNR FKLPPQLRMK NFETSTLSFS PEENFGDDSG LAAYVAKAID PSISWEDIKW
LRRLTSLPIVAKGILRGDDA REAVKHGLNG ILVSNHGARQ LDGVPATIDV LPEIVEAVEG KVEVFLDGGV
RKGTDVLKAL ALGAKAVFVG RPIVWGLAFQGEKGVQDVL EILKEEFRLAM ALSGCQNVKV IDKTLVRKNP
LAVSKI.

Biological Activity:

Specific activity is > 3000 pmol/min/ug, and defined as the amount of enzyme that oxidize glyoxylate at pH 8.0 at 25C.