

Recombinant Human HAO1 Protein (His Tag)

Catalog No. PKSH033344

Note: Centrifuge before opening to ensure complete recovery of vial contents.

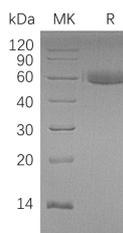
Description

Synonyms	Hydroxyacid Oxidase 1;HAOX1;Glycolate Oxidase;GOX;HAO1;GOX1;HAOX1
Species	Human
Expression Host	E.coli
Sequence	Met 1-Ile370
Accession	Q9UJM8
Calculated Molecular Weight	58.6 kDa
Observed molecular weight	56 kDa
Tag	N-Trx-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
Formulation	Supplied as a 0.2 µm filtered solution of PBS, pH7.4.
Reconstitution	Not Applicable

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Hydroxyacid Oxidase 1 (HAO1) is an enzyme that belongs to the FMN-Dependent α -Hydroxy Acid Dehydrogenase family. HAO1 contains 1 FMN Hydroxy Acid Dehydrogenase domain. HAO1 is expressed primarily in the liver and pancreas. This protein has 2-Hydroxyacid Oxidase activity. Most HAO1 is active on the 2-Carbon substrate Glycolate; but it can also be active on 2-Hydroxy fatty acids; with higher activity towards 2-Hydroxy Palmitate and 2-Hydroxy Octanoate.

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