

Recombinant Human HAO1 Protein (His Tag)

Catalog No. PKSH033344

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

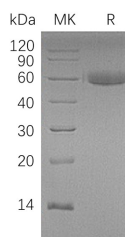
Description

| | |
|------------------------------------|---|
| 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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