

## Recombinant Human HAO1 Protein (His Tag)

**Catalog Number: PKSH033344**

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

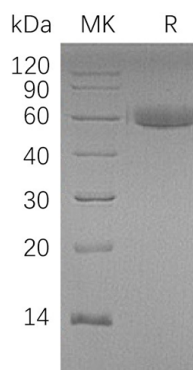
### Description

<b>Species</b>	Human
<b>Source</b>	E.coli-derived Human HAO1 protein Met 1-Ile370, with an N-terminal Trx & His
<b>Calculated MW</b>	58.6 kDa
<b>Observed MW</b>	56 kDa
<b>Accession</b>	Q9UJM8
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Concentration</b>	Subject to label value.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	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.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of PBS, pH7.4.

### Data



> 95 % as determined by reducing SDS-PAGE.

### Background

Hydroxyacid Oxidase 1 (HAO1) is an enzyme that belongs to the FMN-Dependent  $\alpha$ -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.

### For Research Use Only

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