



Recombinant Protein Technical Manual

Recombinant Human HAO1 Protein (His Tag)

RPES2362

Product Data:

Product SKU: RPES2362

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: NP_060015.1

Protein Information:

Molecular Mass: 58.6 kDa

AP Molecular Mass: 56 kDa

Tag: N-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg 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 20mM PB, 150mM NaCl, pH 7.2.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Hydroxyacid Oxidase 1; HAOX1; Glycolate Oxidase; GOX; HAO1; GOX1; HAOX1

Immunogen Information:

Sequence: Met 1-Ile370

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.