

## Product datasheet for **TP720251**

### HAO1 (NM\_017545) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human hydroxyacid oxidase (glycolate oxidase) 1 (HAO1)
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Met1-Ile370
Tag:	N-Trx&His
Predicted MW:	58.6 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	< 0.1 EU per µg protein as determined by LAL test
Storage:	Store at -80°C.
Stability:	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
RefSeq:	<a href="#">NP_060015</a>
Locus ID:	54363
UniProt ID:	<a href="#">Q9UJM8</a> , <a href="#">A8K058</a>
Cytogenetics:	20p12.3
Synonyms:	GOX; GOX1; HAOX1
Summary:	This gene is one of three related genes that have 2-hydroxyacid oxidase activity yet differ in encoded protein amino acid sequence, tissue expression and substrate preference. Subcellular location of the encoded protein is the peroxisome. Specifically, this gene is expressed primarily in liver and pancreas and the encoded protein is most active on glycolate, a two-carbon substrate. The protein is also active on 2-hydroxy fatty acids. The transcript detected at high levels in pancreas may represent an alternatively spliced form or the use of a multiple near-consensus upstream polyadenylation site. [provided by RefSeq, Jul 2008]



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Protein Pathways: Glyoxylate and dicarboxylate metabolism, Metabolic pathways

**Product images:**

