

## Product datasheet for **TP316834L**

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

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human hydroxyacid oxidase (glycolate oxidase) 1 (HAO1), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216834 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	 MLPRLICINDYEQHAKSVLPKSIYDYRSGANDEETLADNIAAFSRWKLYPRMLRNVAETDLSTSVLGQR VSMPICVGATAMQRMAHVDGELATVRACQSLGTGMMLSSWATSSIEEVAEAGPEALRWLQLYIYKDREVT KKLVRQAEKMGYKAIFVTVDPYLGNRLLDDVRNRFKLPQLRMKNFETSTLSFSPEENFGDDSGLAAYVA KAIDPSISWEDIKWLRRRLTSLPIVAKGILRGDDAREAVKHGLNGILVSNHGARQLDGVPATIDVLP EIVE AVEGKVEVFLDGGVRKGTDLKALALGAKAVFVGRPIVWGLAFQGEKGVQDVLEILKEEFRLAMALSGCQ NVKVIDKTLVRKNPLAVSKI  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	40.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_060015</a>
Locus ID:	54363



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UniProt ID: [Q9UJM8](#), [A8K058](#)

RefSeq Size: 1746

Cytogenetics: 20p12.3

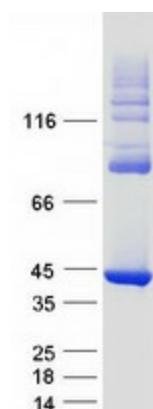
RefSeq ORF: 1110

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]

**Protein Pathways:** Glyoxylate and dicarboxylate metabolism, Metabolic pathways

### Product images:



Coomassie blue staining of purified HAO1 protein (Cat# [TP316834]). The protein was produced from HEK293T cells transfected with HAO1 cDNA clone (Cat# [RC216834]) using MegaTran 2.0 (Cat# [TT210002]).