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Product datasheet for TP305051

HAO2 (NM_016527) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human hydroxyacid oxidase 2 (long chain) (HAO2), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205051 protein sequence Red=Cloning site Green=Tags(s) MSLVCLTDFQAHAREQLSKSTRDFIEGGADDSITRDDNIAAFKRIRLRPRYLRDVSEVDTRTTIQGEEIS APICIAPTGFHCLVWPDGEMSTARAAQAAGICYITSTFASCSLEDIVIAAPEGLRWFQLYVHPDLQLNKQ LIQRVESLGFKALVITLDTPVCGNRRHDIRNQLRRNLTLTDLQSPKKGNAIPYFQMTPISTSLCWNDLSW FQSITRLPIILKGILTKEDAELAVKHNVQGIIVSNHGGRQLDEVLASIDALTEVVAAVKGKIEVYLDGGV RTGNDVLKALALGAKCIFLGRPILWGLACKGEHGVKEVLNILTNEFHTSMALTGCRSVAEINRNLVQFSR L TRTRPLEQKLISEEDLAANDILDYKDDDDKV	
Tag:	C-Myc/DDK
Predicted MW:	38.7 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:	NP_057611

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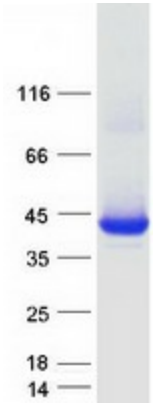
Locus ID:	51179
UniProt ID:	Q9NYQ3
RefSeq Size:	1488
Cytogenetics:	1p12
RefSeq ORF:	1053
Synonyms:	GIG16; HAOX2
Summary:	This gene is one of three related genes that have 2-hydroxyacid oxidase activity. The encoded protein localizes to the peroxisome has the highest activity toward the substrate 2-hydroxypalmitate. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]
Protein Pathways:	Glyoxylate and dicarboxylate metabolism, Metabolic pathways

Product images:



Coomassie blue staining of purified HAO2 protein (Cat# TP305051). The protein was produced from HEK293T cells transfected with HAO2 cDNA clone (Cat# [RC205051]) using MegaTran 2.0 (Cat# [TT210002]).