

Product datasheet for PH318416

HAO2 (NM_001005783) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HAO2 MS Standard C13 and N15-labeled recombinant protein (NP_001005783)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC218416
Predicted MW:	38.8 kDa
Protein Sequence:	>RC218416 protein sequence Red=Cloning site Green=Tags(s)

MSLVCLTDFQAHAREQLSKSTRDFIEGGADDSITRDDNIAAFKRIRLRPRYL RDVSEVDTRTTIQGEEIS
APICIAPTGFHCLVWPDGEMSTARAAQAAGICYITSTFASCSLEDIVIAAPEGLRWFQLYVHPDLQLNKQ
LIQRVESLGFKALVITLDTVPVCGNRRHDIRNQLRRNLTLTDLQSPKKGNAIPYFQMTPISTSLCWNDLSW
FQ\$ITRLPIILKGILTKEDAELAVKHNVQGIIVSNHGGRQLDEVLASIDALTEVVAAVKVKIEVYLDGGV
RTGNDVLKALALGAKCIFLGRPILWGLACKGEHGVKEVLNILTNEFHTSMALTGCRSVAEINRNLVQFSR
L

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001005783</u>
RefSeq Size:	1708
RefSeq ORF:	1053
Synonyms:	GIG16; HAOX2
Locus ID:	51179



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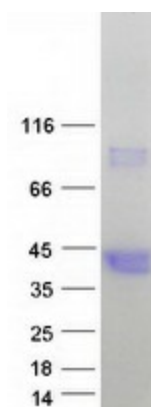
UniProt ID: [Q9NYQ3](#)

Cytogenetics: 1p12

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# [TP318416]). The protein was produced from HEK293T cells transfected with HAO2 cDNA clone (Cat# [RC218416]) using MegaTran 2.0 (Cat# [TT210002]).