

Recombinant Human HAO2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HAO2-1515H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HAO2 MS Standard C13 and N15-labeled recombinant protein (NP_057611) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	38.8 kDa
AA Sequence	MSLVCLTDFQAHAREQLSKSTRDFIEGGADDSITRDDNIAAFKRIRLRPRYL RDVSEV DTRTTIQGEEISAPICIAPTGFHCLVWPDGEMSTARAAQAAGICYITSTFASCSLEDIVI AAPEGLRWFQLYVHPDLQLNKQLIQRVESLGFKALVITL DTPVCGNRRHDIRNQLRR NLTLTDLQSPKKGNAIPYFQMTPISTSLCWNDLSWFQSITRLPIILKGILTKEDELAVK HNVQGIIVSNHGGRQLDEVLASIDALTEVVAAVKKGKIEVYLDGGVVRTGNDV LKALALG AKCIFLGRPILWGLACKGEHGVKEVLNILTNEFHTSMALTGCRSVAEINRNLVQFSRL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

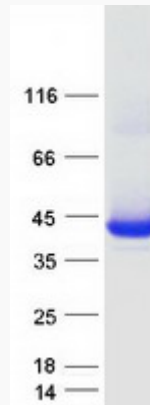
Gene Name	HAO2 hydroxyacid oxidase 2 [Homo sapiens (human)]
Official Symbol	HAO2
Synonyms	HAO2; hydroxyacid oxidase 2 (long chain); hydroxyacid oxidase 2; (S) 2 hydroxy acid oxidase; GIG16; glycolate oxidase; growth inhibiting protein 16; HAOX2; long chain L 2 hydroxy acid oxidase; growth-inhibiting protein 16; long-chain L-2-hydroxy acid oxidase; long chain alpha-hydroxy acid oxidase; cell growth-inhibiting gene 16 protein; (S)-2-hydroxy-acid oxidase, peroxisomal;
Gene ID	51179
mRNA Refseq	NM_016527
Protein Refseq	NP_057611
MIM	605176
UniProt ID	Q9NYQ3

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SDS-PAGE



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