

Recombinant Human AOX1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. AOX1-4243H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	AOX1 MS Standard C13 and N15-labeled recombinant protein (NP_001150) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Aldehyde oxidase produces hydrogen peroxide and, under certain conditions, can catalyze the formation of superoxide. Aldehyde oxidase is a candidate gene for amyotrophic lateral sclerosis.
Molecular Mass	147.7 kDa
AA Sequence	MDRASELLFYVNGRKVIEKNVDPETMLLPYLRRKKLRLTGTKYGC GGGGCGACTVMI SRYNPITKRIRHHPANACLIPICSLYGAAVTTVEGIGSTHTRIHPVQERIAKCHGTQCG FCTPGMVMSIYTLLRNHPEPTLDQLTDALGGNLCRCTGYRPIIDACKTFCKTSGCCQ SKENGVCCLDQINGLPEFEEGSKTSPKLF AEEEFPLDPTQELIFPELMIMAEKQS QRTRVFGSERMMWFSPVTLKELLEFKFKYPQAPVIMGNTSVGPVEVKFKGVFHPVIIS PDRIEELSVVN HAYNGLTLGAGLSLAQVKDILADV VQKLPEEKTQMYHALLKHLGTLA GSQIRNMASLGGHIISRHPDSDLNPILAVGNCTLNLLSKEGKRQIPLNEQFLSKCPNA DLKPQEILVSVNIPYSRKWEFVSAFRQAQRQENALAVNSGMRVFFGEGDGIIRELCI SYGGVGPATICAKNSCQKLIGRHWNEQMLDIACRLILNEVSLLGSAPGGKVEFKRTL I ISFLFKFYLEVSQILKKMDPVHYP SLADKYESALEDLHSHHCSTLKYQNIGPKQHPE

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DPIGHPIMHLSGVKHATGEAIYCDDMPLVDQELFTFVTSSRAHAKIVSIDLSEALSMP
 GVVDIMTAEHLSDVNSFCFFTEAEKFLATDKVFCVGLVCAVLADSEVQAKRAAKRV
 KIVYQDLEPLILTIEESIQHNSSEFKPERKLEYGNVDEAFKVVDQILEGEIHMGGQEHFY
 METQSMLVVPKGEDQEMDVYVSTQFPKYIQDIVASTLKLPAKVMCHVRRVGGAFG
 GKVLKTGIIAAVTAFAANKHGRAVRCVLERGEDMLITGGRHPYLGKYKAGFMNDGRI
 LALDMEHYSNAGASLDESFLVIEMGLLKMDNAYKFPNLRCRGWACRTNLPSTAFR
 GFGFPQAALITESCITEVAAKCGLSPEKVRIINMYKEIDQTPYKQEINAKNLIQCWREC
 MAMSSYSRLRKVAVEKFNAENYWKKKGLAMVPLKFPVGLGSRAAGQAAALVHIYLDG
 SVLVTHGGIEMGQGVHTKMIQVVSRELMPMSNVHLRGTSTETVPNANISGGSVVA
 DLNGLAVKDACQTLLKRLEPIISKNPKGTWKDWAQTADESINLSAVGYFRGYESDM
 NWEKGEGQPFEYFVYGAACSEVEIDCLTGDHKNIRTDIVMDVGCSINPAIDIGQIEGA
 FIQGMGLYTIEELNYSPQGILHTRGPDQYKIPAICDMPTELHIALPPSQNSNTLYSSK
 GLGESGVFLGCSVFFAIHDAVSAARQERGLHGPLTLNSPLTPEKIRMACEKFTKMI
 PRDEPGSYVPWNVPITRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
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	AOX1 aldehyde oxidase 1 [Homo sapiens (human)]
Official Symbol	AOX1

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Synonyms	AOX1; aldehyde oxidase 1; aldehyde oxidase; AO; AOH1;
Gene ID	316
mRNA Refseq	NM_001159
Protein Refseq	NP_001150
MIM	602841
UniProt ID	Q06278
SDS-PAGE	