

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

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

## SPECIFICATION

<b>Product Overview</b>	AOX1 MS Standard C13 and N15-labeled recombinant protein (NP_001150) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	147.7 kDa
<b>AA Sequence</b>	MDRASELLFYVNGRKVIEKNVDPETMLLPYLRKKLRLTGTKYGC GGGGCGACTVMI SRYNPITKRIRHHPANA CLIPICSLYGA AVTTVEGIGSTHTRIHPVQERIAKCHGTQCG FCTPGMVMSIYTL LRNHPEPTLDQLTDALGGNLCRCTGYRPIIDACKTFCKTSGCCQ SKENGVCCLDQGINGLPEFE EGSKTSPKLF AEEEFPLDPTQELIFPELMIMAEKQS QRTRVFGSERMMWFSPVTLKELLEFKFKYPQAPVIMGNTSVGP EVKFKGVFHPVIIS PDRIEELSVVN HAYNGLTLGAGLSLAQVKDILADV VQKLPEEKTQMYHALLKHLGTLA GSQIRN MASLGGHIISRH PDSLNPILAVGNCTLNLLSKEGKRQIPLNEQFLSKCPNA DLKPQEILVSVNIPYSRKWEFVSAFRQAQRQENALAI VNSGMRVFFGEGDGIIRELCI SYGGVGPATICA KNSCQKLIGRHWNEQMLDIACRLILNEV SLLGSAPGGKVEFKRTL I ISFLFKFYLEVSQILKKMDPVHYP SLADKYESALEDLH SKHHCSTLKYQNIGPKQHPE

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DPIGHPIMHLSGVKHATGEAIYCDDMPLVDQELFLTFVTSSRAHAKIVSIDLSEALSMP  
 GVVDIMTAEHLSDVNSFCFFTEAEKFLATDKVFCVGLVCAVLADSEVQAKRAAKRV  
 KIVYQDLEPLILTIEESIQHNSSEFKPERKLEYGNVDEAFKVVDQILEGEIHMGGQEHFY  
 METQSMLVVPKGEDQEMDVVSTQFPKYIQDIVASTLKLPAKVMCHVRRVGGAFG  
 GKVLKTGIIAAVTAFAANKHGRAVRCVLERGEDMLITGGRHPYLGKYKAGFMNDGRI  
 LALDMEHYSNAGASLDESFLVIEMGLLKMDNAYKFPNLRCRGWACRTNLPNTAFR  
 GFGFPQAALITESCITEVAAKCGLSPEKVRINMYKEIDQTPYKQEIANKLIQCWREC  
 MAMSSYSLRKVAVEKFNAENYWKKKGLAMVPLKFPVGLGSRAAGQAAALVHIYLDG  
 SVLVTHGGIEMGQGVHTKMIQVVSRELMPMSNVHLRGTSTETVPNANISGGSVVA  
 DLNGLAVKDACQTLKRLEPIISKNPKGTWKDWAQTADESINLSAVGYFRGYESDM  
 NWEKGEGQPFEYFVYGAACSEVEIDCLTGDHKNIRTDIVMDVGCSINPAIDIGQIEGA  
 FIQGMGLYTIEELNYSPPQILHTRGPDQYKIPAICDMPTELHIALPPSQNSNTLYSSK  
 GLGESGVFLGCSVFFAIHDAVSAARQERGLHGPLTLNSPLTPEKIRMACEDKFTKMI  
 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

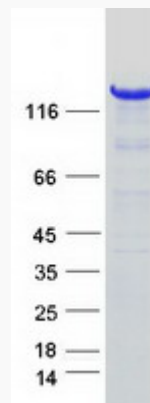
**mRNA Refseq** NM\_001159

**Protein Refseq** NP\_001150

**MIM** 602841

**UniProt ID** Q06278

**SDS-PAGE**



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