

Product datasheet for TP319221

Aldehyde Oxidase (AOX1) (NM_001159) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human aldehyde oxidase 1 (AOX1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC219221 representing NM_001159 Red=Cloning site Green=Tags(s)

MDRASELLFYVNGRKVIEKNVDPETMLLPYLRRKKLRLTGTKYGC GGGGCGACTVMISRYNPITKRIRHHP
 ANACLIPICSLYGAAVTTVEGIGSTHTRIHVPQERIAKCHGTQCGFCTPGMVMSIYTLRNHPEPTLDQL
 TDALGGNLCRCTGYRPIIDACKTFCKTSGCCQSKENGVCCLDQINGLPEFEEGSKTSPKLFEEEEFLPL
 DPTQELIFPPELMIMAEKQSQRTRVFGSERMMWFSPVTLKELLEFKFKYPQAPVIMGNTSVGPEVKFKG
 FHPVIISPDRIEELSVNHAYNGLTLGAGLSLAQVKDILADVQKLPEEKTQMYHALLKHLGLTAGSQIR
 NMASLGGHIISRHPDSDLNPILAVGNCTLNLLSKEGKRQIPLNEQFLSKCPNADLKPQEILVSVNIPYSR
 KWEFVSAFRQAQRQENALAINVSGMRVFFGEGDGIIRELCISYGGVGPATICAKNSCQKLIGRHWNEQML
 DIACRLILNEVSLGSAPEGKVEFKRTLIIISFLFKFYLEVSQILKKMDPVHYPSLADKYESALEDLHSHK
 HCSTLKYQNIGPKQHPEDPIGHPIMHLSGVKHATGEAIYCDDMPLVDQELFTFVTSSRAHAKIVSIDLS
 EALSMPGVVDIMTAEHLSDVNSFCFFTEAEKFLATDKVFCVGLVCAVLADSEVQAKRAAKRVKIVYQDL
 EPLILTIEESIQHNSFFKPERKLEYGNDVDEAFKVVQDILEGEIHMGGQEHFYMETQSMVLPKGEDQEMD
 VYVSTQFPKYIQDIVASTLKLPAKVMCHVRRVGGAFGGKVLKTGIIAAVTAFAANKHGRAVRCVLERGE
 DMLITGGRHPYLGKYKAGFMNDGRILALDMEHYSNAGASLDESFLVIEMGLLKMDNAYKFPNLRRCRGWA
 C
 RTNLPSNTAFRFGFGFPQAALITESCITEVAACGLSPEKVRRIINMYKEIDQTPYKQEINAKNLIQCWREC
 MAMSSYLRKVAVEKFNAENYWKKKGLAMVPLKFPVGLGSRAAGQAAALVHIYLDGSLVLTHTGGIEMGQ
 G
 VHTKMIQVVSRELMPMSNVHLRGTSTETVPNANISGGSVVADLNLAVKDACQTLKRLPEIISKNPKG
 TWKDWAQTAFDESINLSAVGYFRGYESDMNWEKGEQPFYFYGAACSEVEIDCLTGDHKNIRTDIVMD
 VGCSINPAIDIGQIEGAFIQGMGLYTIELNYSPPQILHTRGPDQYKIPAICDMPTELHIALPPSQNSN
 TLYSSKGLGESGVFLGCSVFFAIHDAVSAARQERGLHGPLTLNSPLTPEKIRMACEDKFTKMIPRDEPGS
 YPWNVPI

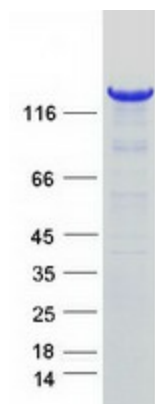
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK



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Predicted MW:	147.7 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_001150
Locus ID:	316
UniProt ID:	Q06278
RefSeq Size:	4949
Cytogenetics:	2q33.1
RefSeq ORF:	4014
Synonyms:	AO; AOH1
Summary:	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. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome
Protein Pathways:	Drug metabolism - cytochrome P450, Metabolic pathways, Nicotinate and nicotinamide metabolism, Tryptophan metabolism, Tyrosine metabolism, Valine, leucine and isoleucine degradation, Vitamin B6 metabolism

Product images:

Coomassie blue staining of purified AOX1 protein (Cat# TP319221). The protein was produced from HEK293T cells transfected with AOX1 cDNA clone (Cat# [RC219221]) using MegaTran 2.0 (Cat# [TT210002]).