

Product datasheet for TP319221M

Aldehyde Oxidase (AOX1) (NM_001159) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human aldehyde oxidase 1 (AOX1), 100 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC219221 representing NM_001159
Red=Cloning site Green=Tags(s)

MDRASELLFYVNGRKVIEKNVDPETMLLPYLRRKKLRLTGTKYGC GG GGGCGACTVMISRYNPITKRIRHHP
 ANACLIPICSLYGAAVTVEGIGSTHTRHPVQERIAKCHGTQCGFCTPGMVMSIYTLRNHPEPTLDQL
 TDALGGNLCRCTGYRPIIDACKTFCKTSGCCQSKENGVCCLDQINGLPEFEESKTS PKLFAEEEEFLPL
 DPTQELIFPELMIMA EKQSQRTRVFGSERMMWFSPVTLKELLEFKFKYPQAPVIMGNTSVGPVEVKFKGV
 FHPVIISPDRIEELSVNHAYNGLTLGAGLSLAQVKDILADV VQKLPEEKTQMYHALLKHLGTLAGSQIR
 NMASLGGHIISRHPDSDLNPILAVGNCTLNLLSKEGKRQIPLNEQFLSKCPNADLKPQEILSVNIPYSR
 KWEFVSAFRQAQRQENALAI VNSGMRVFFGEGDGIIRELCISYGGVGPATICAKNSCQKLIGRHWNEQML
 DIACRLILNEV SLLGSAPGGKVEFKRTLII SFLFKFYLEVSQILKKMDPVHYP SLADKYESALEDLHSHK
 HCSTLKYQNIGPKQHPEDPIGHPIMHLSGVKHATGEAIY CDDMPLVDQELFLT VFTSSRAHAKIVSIDLS
 EALSMPGVVDIMTAEHLSDVNSFCFFTEAEKFLATDKVFCV GQLVCAVLADSEVQAKRAAKRVKIVYQDL
 EPLILTIEESIQHNSSF KPERKLEYGNVDEAFKVVDQILEGEIHMGGQEHFYMETQSM LVVPKGEDQEMD
 VYVSTQFPKYIQDIVASTLKL PANKVMCHVRRVGGAFGGKVLKTGIIAAVTAFAANKHGRAVRCVLERGE
 DMLITGGRHPYLGKYKAGFMNDGRILALDMEHYSNAGASLDES LFVIEMGLLKMDNAYKFPNLCRGRWAC
 RTNLPSNTAFRFGFGFPQAALITESCITEVA AKCGLSPEKVRIINMYKEIDQTPYKQEINAKNLIQCWREC
 MAMSSYS LRKVAVEKFNAENYWK KGLAMVPLKFPVGLGSRAAGQAAALVHIYLDG SVLVTHGGIEMGQG
 VHTKMIQVVSRELMPMSNVHLRGTSTETVPNANISGG SVVADLNGLAVKDACQTLLKRLEPIISK NPKG
 TWKDW AQTAFDESINLSAVGYFRGYESDMNWEK GEGQPFEYFVYGAACSEVEIDCLTGDHKNIRTDIVMD
 VGCSINPAIDIGQIEGAFIQGMGLYTIEELNYS PQGILHTRGPDQYKIPAICDMPTELHIALPPSQNSN
 TLYSSKGLGESGVFLGCSVFFAIHDAVSAARQERGLHG PLTLNSPLTPEKIRMACEDKFTKMIPRDEPGS
 YVPWNVPI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

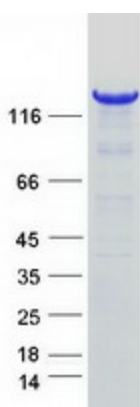
Tag: C-Myc/DDK
Predicted MW: 147.7 kDa



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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]).