

Recombinant Full Length Human MIOX Protein, GST-tagged

Cat. No. MIOX-6266HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MIOX full-length ORF (CAK54459.1, 1 a.a. - 285 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	285 amino acids
Description	MIOX (Myo-Inositol Oxygenase) is a Protein Coding gene. Among its related pathways are Inositol phosphate metabolism (KEGG) and Porphyrin and chlorophyll metabolism. GO annotations related to this gene include iron ion binding and oxidoreductase activity, acting on NAD(P)H.
Molecular Mass	57.75 kDa
AA Sequence	MKVTVGPDPSLVYRPDVDPEVAKDKASFRNYTSGPLLDRVFTTYKLMHTHQTVDFV RSKHAQFGGFSYKKMTVMEAVDLLDGLVDESDPDVDFPNSFHAFQTAEGIRKAHPD KDWFHLVGLLHDLGKVLALFGEPQWAVVGDTFPVGCPRQASVVFCDSTFQDNPD QDPRYSTELGMYQPHCGLDRVLMSWGHEDEYMYQVMKFNKFSLPPEAFYMIRFHSF YPWHTGRDYQQLCSQQDLAMLPPWVREFNKF DLYTKCPDLDPVDKLRPYYQGLIDK YCPGILSW
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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	Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	MIOX myo-inositol oxygenase [Homo sapiens]
Official Symbol	MIOX
Synonyms	MIOX; myo-inositol oxygenase; aldehyde reductase (aldose reductase) like 6 , ALDRL6; inositol oxygenase; kidney specific protein 32; MI oxygenase; aldehyde reductase-like 6; kidney-specific protein 32; renal-specific oxidoreductase; aldehyde reductase (aldose reductase) like 6; ALDRL6; MGC90217;
Gene ID	55586
mRNA Refseq	NM_017584
Protein Refseq	NP_060054
MIM	606774
UniProt ID	Q9UGB7

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