

Recombinant Human MIOX Protein, GST-tagged

Cat. No. MIOX-888H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human MIOX protein (1-285 aa encoded) with GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-285 a.a.
Form	Powder
AA Sequence	MKVTVGPDPSLVYRPDVDPEVAKDKASFRNYTSGPLLDRVFTTYKLMHHTQTVDFV RSKHAQFGGFSYKKMTVMEAVDLLDGLVDESDDPDVDFPNSFHAFQTAEGIRKAHPD KDWFHLVGLLHDLGKVLALFGEPQWAVVGDTFPVGCPRQASVVFCDSTFQDNPD QDPRYSTELGMYQPHCGLDRVLMSWGHDDEYMYQVMKFNKFSLPPEAFYMIRFH SFYPWHTGRDYQQLCSQQDLAMLPPWVREFNKFDFLYTKCPDLDPVDKLRPYYQGLIDK YCPGILSW
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Notes	FOR IN VITRO RESEARCH USE ONLY. NOT FOR USE IN HUMANS OR ANIMALS.
Storage	Store for up to 12 months at -20 centigrade to -80 centigrade as lyophilized powder. Short-term storage: Store at 2-8 centigrade for (1-2 weeks). Long-term storage: Aliquot and store at -20 centigrade to -80 centigrade for up to 3

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months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

Storage Buffer

The purified protein was Lyophilized from sterile PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization.

Reconstitution

Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage.
 Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details).
 If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used).
 Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

GENE INFORMATION

Gene Name

MIOX myo-inositol oxygenase [Homo sapiens (human)]

Official Symbol

MIOX

Synonyms

MIOX; myo-inositol oxygenase; ALDRL6; inositol oxygenase; MI oxygenase; aldehyde reductase (aldose reductase) like 6; aldehyde reductase-like 6; kidney-specific protein 32; renal-specific oxidoreductase; EC 1.13.99.1

Gene ID

55586

mRNA Refseq

NM_017584

Protein Refseq

NP_060054

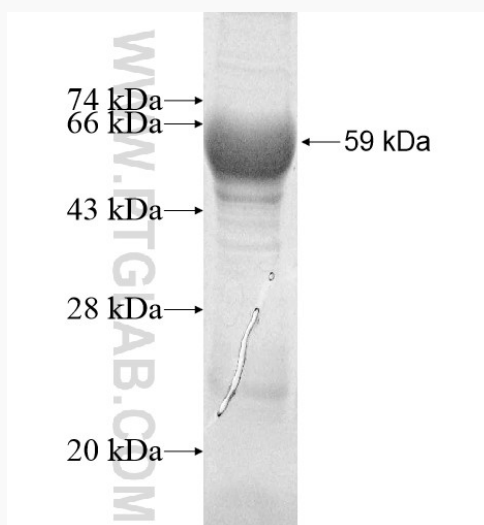
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MIM 606774

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