

# Human MIOX Recombinant Protein



RPPB1946

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## Product Information    Protein Information

**Product SKU:**

RPPB1946

**Accession:**

Q9UGB7

**Host:**

Escherichia Coli.

**Protein description:**

MIOX Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (Met1-Trp285) containing 295 amino acids including a 10 aa His tag at N-terminus. The total calculated molecular mass is 34.2kDa.

**Appearance:**

Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

Myo-Inositol Oxygenase, Kidney-Specific Protein 32, Aldehyde Reductase (Aldose Reductase) Like 6, Renal-Specific Oxidoreductase, Aldehyde Reductase-Like 6, MI Oxygenase, EC 1.13.99.1, ALDRL6, Inositol Oxygenase, KSP32, RSOR, MIOX.

**Formulation:**

MIOX was filtered (0.4 µm) and lyophilized in 20mM Tris buffer, 50mM NaCl and 5% (w/v) trehalose, pH 7.5.

**Purity:**

Greater than 95.0% as determined by SDS-PAGE.

**Solubility:**

It is recommended to add 200µl of deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. MIOX is not sterile! Please filter the product by an appropriate sterile filter before using it in the cell culture.

**Stability:**

Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.

**Amino Acid Sequence:**

MKHHHHHHASMKVTVGPDPS LVYRPDVDP E VAKDKASFRN YTSGPLLDRV FTTYKLMHTH QTVDFVRSKH  
AQFGGFSYKK MTVM EAVDLL DGLVDESDPD VDFPNSFHAF QTAEGIRKAH PDKDWFHLVG LLHDLGKVL A  
LFGEPQWAVV GDTFPVGC RP QASVVFCDST FQDNPD LQDP RYSELGMYQ PHCGLDRVLM SWGHDEYMYQ  
VMKFNKFSLP P EAFY MIRFH SFYPWHTGRD YQQLCSQQDL AMLPWVREFN KFDLYTKCPD LPDVKLRPY  
YQGLIDKYCP GILSW.