

## Inositol Oxygenase Human E. coli

### Product Data Sheet

**Type:** Recombinant

**Source:** E. coli

**Species:** Human

**Other names:** Inositol oxygenase, Aldehyde reductase-like 6, Kidney-specific protein 32, Myo-inositol oxygenase, MI oxygenase, Renal-specific oxidoreductase, MIOX

**Cat. No.:**

RD172433100

(0.1 mg)

### Description

Total 295 AA. MW: 34.2 kDa (calculated). UniProtKB acc.no. Q9UGB7 (Met1-Trp285). N-terminal His-tag (10 extra AA). Protein identity confirmed by LC-MS/MS

### Amino Acid Sequence

**MKHHHHHHAS** MKVTVGPDPDS LVYRPDVDPE VAKDKASFRN YTSGPLLDRV FTTYKLMHTH QTVDFVRSKH AQFGGFSYKK  
MTVMEAVDLL DGLVDESDPD VDFPNSFHAF QTAEGIRKAH PDKDWFHLVG LLHDLGKVLV LFGEPQWAVV GDTFPVGCRRP  
QASVVFCDST FQDNPDLDQP RYSTEELGMYQ PHCGLDRVLM SWGHDEYMYQ VMKFNKFSLP PEA FYMIRFH SFYPPWHTGRD  
YQQLCSQQDL AMLPWVREFN KFDLYTKCPD LPDVKLRPY YQGLIDKYCP GILSW

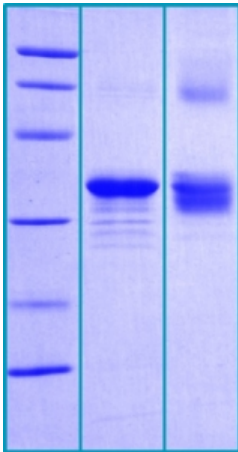
### Source

E. coli

### Purity

Purity as determined by densitometric image analysis: > 95%

### SDS-PAGE gel



14 % SDS-PAGE separation of Human MIOX:

1. M.W. marker - 14, 21, 31, 45, 66, 97 kDa

2. Reduced and boiled sample, 2.5 µg/lane

3. Non-reduced and non-boiled sample, 2.5 µg/lane

### Endotoxin

< 1.0 EU/µg

### Formulation

Filtered (0.4 µm) and lyophilized from solution in 20 mM Tris buffer, 50 mM NaCl, 5% (w/v) trehalose, pH 7.5

### Reconstitution

Add 200 µl of deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely. Filter sterilize your culture media/working solutions containing this non-sterile product before using in cell culture.

### Shipping

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

### Storage, Stability/Shelf Life

Store the lyophilized protein at -80 °C. Lyophilized protein remains stable until the expiry date when stored at -80 °C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80 °C for long term storage. Reconstituted protein can be stored at 4 °C for a week.

### Quality Control Test

BCA to determine quantity of the protein.  
SDS-PAGE to determine purity of the protein.  
LAL TEST to determine endotoxin level.

### Applications

ELISA, Western blotting

### Note

This product is intended for research use only.

<b>HEADQUARTERS:</b> BioVendor Laboratorní medicina, a.s.	Karasek 1767/1	621 00 Brno CZECH REPUBLIC	Phone: +420-549-124-185 Fax: +420-549-211-460	E-mail: info@biovendor.com sales@biovendor.com Web: www.biovendor.com
AUSTRIA: BioVendor GesmbH	Nußdorfer Straße 20/10	1090 Vienna AUSTRIA	Phone: +43-1-89090-25 Fax: +43-1-89090-2515	E-mail: infoAustria@biovendor.com
GERMANY, SWITZERLAND: BioVendor GmbH	Otto-Hahn-Straße 16	34123 Kassel GERMANY	Phone: +49-6221-433-9100 Fax: +49-6221-433-9111	E-mail: infoEU@biovendor.com
USA, CANADA AND MEXICO: BioVendor LLC	128 Bingham Rd. Suite 1300	Asheville, NC 28806 USA	Phone: +1-828-575-9250 +1-800-404-7807 Fax: +1-828-575-9251	E-mail: infoUSA@biovendor.com