

## Active Recombinant Human AKR1B10 Protein, Met & His-tagged

**Cat. No.** AKR1B10-995H    **Lot. No.** (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                              |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Human AKR1B10 (Accession # O60218) Ala2-Tyr316, fused with an N-terminal Met and 6-His tag, was produced in Spodoptera frugiperda, Sf 21 (baculovirus)-derived.  |
| <b>Species</b>              | Human                                                                                                                                                                        |
| <b>Source</b>               | Sf21 Cells                                                                                                                                                                   |
| <b>ProteinLength</b>        | Ala2-Tyr316                                                                                                                                                                  |
| <b>Predicted N Terminal</b> | Inconclusive result, Met predicted. Protein identity confirmed by MS analysis of tryptic fragments                                                                           |
| <b>Form</b>                 | Supplied as a 0.2 µ filtered solution in Tris, NaCl, DTT and Glycerol.                                                                                                       |
| <b>Bio-activity</b>         | Measured by the disappearance of NADPH during the reduction of 4-nitrobenzaldehyde. The specific activity is >1,000 pmol/min/µg, as measured under the described conditions. |
| <b>Molecular Mass</b>       | Recombinant Human AKR1B10, Met & His-tagged has a calculated MW of 37 kDa. In SDS-PAGE migrates as 37-38 kDa, reducing conditions.                                           |
| <b>Purity</b>               | >90%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain at 5 µg per lane.                                                              |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Storage** Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

**Reconstitution** Reconstitute at 100 µg/mL in PBS containing at least 0.1% human or bovine serum albumin.

## GENE INFORMATION

**Gene Name** AKR1B10 aldo-keto reductase family 1, member B10 (aldose reductase) [ Homo sapiens ]

**Official Symbol** AKR1B10

**Synonyms** AKR1B10; aldo-keto reductase family 1, member B10 (aldose reductase); AKR1B11; aldo-keto reductase family 1 member B10; AKR1B12; aldo keto reductase family 1; member B11 (aldose reductase like); aldose reductase like 1; aldose reductase like peptide; aldose reductase related protein; ALDRLn; ARL 1; ARL1; HIS; HSI; small intestine reductase; ARP; hARP; SI reductase; aldose reductase-like 1; aldose reductase-like peptide; aldose reductase-related protein; aldo-keto reductase family 1, member B11 (aldose reductase-like); ARL-1; MGC14103;

**Gene ID** 57016

**mRNA Refseq** NM\_020299

**Protein Refseq** NP\_064695

**MIM** 604707

**UniProt ID** O60218

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|            |      |
|------------|------|
| Chromosome | 7q33 |
| Location   |      |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA