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# Product datasheet for TP308980M

## RDH10 (NM_172037) Human Recombinant Protein

### Product data:

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|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | Recombinant protein of human retinol dehydrogenase 10 (all-trans) (RDH10), 100 µg |
| **Species:** | Human |
| **Expression Host:** | HEK293T |
| **Expression cDNA Clone or AA Sequence:** | >RC208980 protein sequence<br>Red=Cloning site Green=Tags(s)<br><br>MNIVVEFFVVTFKVLWAFVLAAARWLVRPKEKSVAGQVCLITGAGSGLGRLFALEFARRRALLVLWDINT<br>QSNEETAGMVRHIYRDLEAADAAALQAGNGEEEILPHCNLQVFTYTCDVGKRENVYLTAERVRKEVGEVS<br>VLVNNAGVVSGHHLLECPDELIERTMMVNCHAHFWTTKAFLPTMLEINHGHIVTVASSLGLFSTAGVEDY<br>CASKFGVVGFHESLSHELKAAEKDGIKTTLVCPYLVDTGMFRGCRIRKEIEPFLPPLKPDYCVKQAMKAI<br>LTDQPMICTPRLMYIVTFMKSILPFEAVVCMYRFLGADKCMYPFIAQRKQATNNNEAKNGI<br><br>TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| **Tag:** | C-Myc/DDK |
| **Predicted MW:** | 37.9 kDa |
| **Concentration:** | >0.05 µg/µL as determined by microplate BCA method |
| **Purity:** | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| **Buffer:** | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| **Preparation:** | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| **Note:** | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| **Storage:** | Store at -80°C. |
| **Stability:** | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| **RefSeq:** | NP_742034 |
| **Locus ID:** | 157506 |

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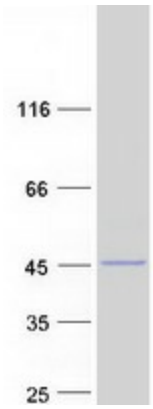
|---|---|
| **UniProt ID:** | Q8IZV5, A0A024R7X6 |
| **RefSeq Size:** | 3981 |
| **Cytogenetics:** | 8q21.11 |
| **RefSeq ORF:** | 1023 |
| **Synonyms:** | SDR16C4 |
| **Summary:** | This gene encodes a retinol dehydrogenase, which converts all-trans-retinol to all-trans-retinal, with preference for NADP as a cofactor. Studies in mice suggest that this protein is essential for synthesis of embryonic retinoic acid and is required for limb, craniofacial, and organ development. [provided by RefSeq, Dec 2011] |
| **Protein Families:** | Druggable Genome, Transmembrane |
| **Protein Pathways:** | Metabolic pathways, Retinol metabolism |

## Product images:




Coomassie blue staining of purified RDH10 protein (Cat# [TP308980]). The protein was produced from HEK293T cells transfected with RDH10 cDNA clone (Cat# [RC208980]) using MegaTran 2.0 (Cat# [TT210002]).