

Recombinant Full Length Human RDH10 Protein, C-Flag-tagged

Cat. No. RDH10-1789HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human RDH10 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	37.9 kDa
AA Sequence	MNIVVEFFVVTFKVLWAFVLAAARWLVRPKEKSVAGQVCLITGAGSGLGRLFALEFA RRRALLVLWDINT QSNEETAGMVRHIYRDLEAADAALQAGNGEEEEILPHCNLQVF TYTCDVGKRENVYLTAERVRKEVGEVS VLVNNAGVVSGHHLECPDELIERTMMVN CHAHFWTTKAFLPTMLEINHGHIVTVASSLGLFSTAGVEDY CASKFGVVG FHESLSH ELKAAEKDGIKTTLVCPYLVDTGMFRGCRIRKEIEPFLPPLKPDYCVKQAMKAI LTDQ PMICTPRLMYIVTFMKSILPFEAVVCMYRFLGADKCMYPFIAQRKQATNNNEAKNGI TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transmembrane
Protein Pathways	Metabolic pathways, Retinol metabolism
Full Length	Full L.

GENE INFORMATION

Gene Name	RDH10 retinol dehydrogenase 10 [Homo sapiens (human)]
Official Symbol	RDH10
Synonyms	SDR16C4
Gene ID	157506
mRNA Refseq	NM_172037.5
Protein Refseq	NP_742034.1

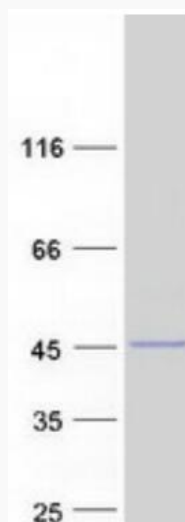
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MIM 607599

UniProt ID Q8IZV5



Coomassie blue staining of purified RDH10 protein.

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