

## Product datasheet for **TP305003**

### **RDH11 (NM\_016026) Human Recombinant Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human retinol dehydrogenase 11 (all-trans/9-cis/11-cis) (RDH11), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205003 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MVELMFPLLLLLLPFLLYMAAPQIRKMLSSGVCSTVQLPGKVVVTGANTGIGKETAKELAQRGARVYL  
ACRDVEKGEVLAKEIQTTTGNQQVLVRKLDLSDTKSIRAFKGF LAEEKHLHVLINNAGVMMCPYSKTAD  
GFEMHIGVNH LGHLLTHLLLEKLKESAPSRIVNVSSLAHHLGRIHFHNLQGEKFYNAGLAYCHSKLANI  
LFTQELARRLKGSGVTTYSVHPGTVQSELVRHSSFMRWMMWLFSSFIKTPQGAQTSLHCALTEGLEILS  
GNHFSDCHVAWWSAQARNETIARRLWDVSCDLLGLSID

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

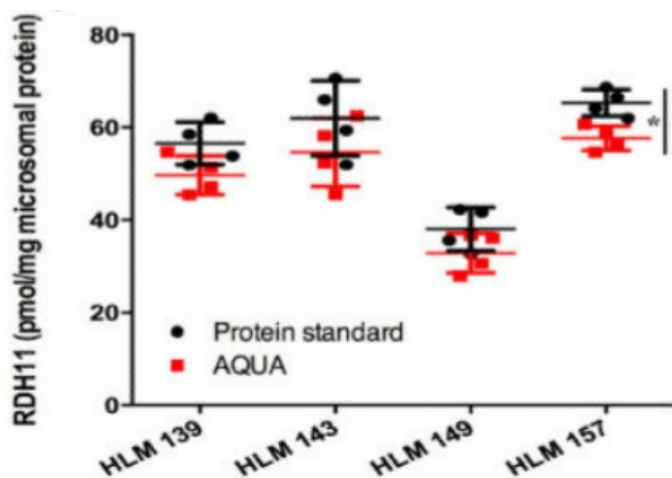
Tag:	C-Myc/DDK
Predicted MW:	35.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity:	MS digestion standard (PMID: <a href="#">26606514</a> )
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:	<a href="#">NP_057110</a>



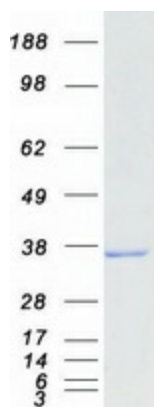
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**Locus ID:** 51109  
**UniProt ID:** [Q8TC12](#), [A0A0S2Z583](#)  
**RefSeq Size:** 2587  
**Cytogenetics:** 14q24.1  
**RefSeq ORF:** 954  
**Synonyms:** ARSDR1; CGI82; HCBP12; MDT1; PSDR1; RALR1; RDJCSS; SCALD; SDR7C1  
**Summary:** The protein encoded by this gene is an NADPH-dependent retinal reductase and a short-chain dehydrogenase/reductase. The encoded protein has no steroid dehydrogenase activity. [provided by RefSeq, Nov 2011]  
**Protein Families:** Druggable Genome  
**Protein Pathways:** Metabolic pathways, Retinol metabolism

### Product images:



The expression levels of microsomal RDH11 in four human livers are shown using either recombinant protein standard (OriGene TP305003) or the AQUA method as calibrators in LC-MS/MS assays. Figure cited from Anal Chem, PMID: 26606514



Coomassie blue staining of purified RDH11 protein (Cat# TP305003). The protein was produced from HEK293T cells transfected with RDH11 cDNA clone (Cat# [RC205003]) using MegaTran 2.0 (Cat# [TT210002]).