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# Product datasheet for AR50196PU-N

## RDH12 (39-316, His-tag) Human Protein

### Product data:

| | |
|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | RDH12 (39-316, His-tag) human recombinant protein, 0.25 mg |
| **Species:** | Human |
| **Expression Host:** | E. coli |
| **Expression cDNA Clone or AA Sequence:** | MGSSHHHHHH SSGLVPRGSH MGSHMGKVVV ITGANTGIGK ETARELASRG ARVYIACRDV LKGESAASEI RVDTKNSQVL VRKLDLSDTK SIRAFAEGFL AEEKQLHILI NNAGVMMCPY SKTADGFETH LGVNHLGHFL LTYLLLERLK VSAPARVVNV SSVAHHIGKI PFHDLQSEKR YSRGFAYCHS KLANVLFTRE LAKRLQGTGV TTYAVHPGVV RSELVRHSSL LCLLWRLFSP FVKTAREGAQ TSLHCALAEG LEPLSGKYFS DCKRTWVSPR ARNNKTAERL WNVSCELLGI RWE |
| **Tag:** | His-tag |
| **Predicted MW:** | 33.5 kDa |
| **Concentration:** | lot specific |
| **Purity:** | >90% by SDS - PAGE |
| **Buffer:** | Presentation State: Purified<br>State: Liquid purified protein<br>Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 2 mM DTT, 40% glycerol, 0.2M NaCl |
| **Preparation:** | Liquid purified protein |
| **Protein Description:** | Recombinant human RDH12 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. |
| **Storage:** | Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.<br>Avoid repeated freezing and thawing. |
| **Stability:** | Shelf life: one year from despatch. |
| **RefSeq:** | NP_689656 |
| **Locus ID:** | 145226 |
| **UniProt ID:** | Q96NR8, A0A0S2Z613 |
| **Cytogenetics:** | 14q24.1 |
| **Synonyms:** | LCA13; RP53; SDR7C2 |

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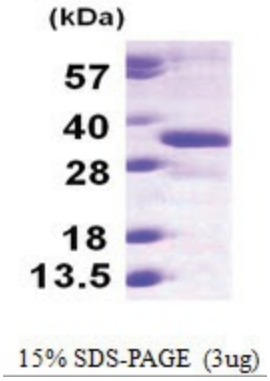
**Summary:** The protein encoded by this gene is an NADPH-dependent retinal reductase whose highest activity is toward 9-cis and all-trans-retinol. The encoded enzyme also plays a role in the metabolism of short-chain aldehydes but does not exhibit steroid dehydrogenase activity. Defects in this gene are a cause of Leber congenital amaurosis type 13 and Retinitis Pigmentosa 53. [provided by RefSeq, Sep 2015]

**Protein Families:** Druggable Genome

**Protein Pathways:** Metabolic pathways, Retinol metabolism

## Product images:




15% SDS-PAGE (3ug)