

## 32-2780: RDH12 Recombinant Protein

**Alternative Name :** Retinol dehydrogenase 12 (all-trans/9-cis/11-cis),LCA3,LCA13,SDR7C2,All-trans and 9-cis retinol dehydrogenase,short chain dehydrogenase/reductase family 7C,member 2,FLJ30273,EC 1.1.1.100.

### Description

Source : E.coli. RDH12 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 303 amino acids (39-316) and having a molecular mass of 33.5kDa.RDH12 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. RDH12 is a member of the short-chain Dehydrogenases / Reductases (SDR) family. RDH12 is found generally in brain, stomach, eye, skeletal muscle and kidney. RDH12 is a NADPH-dependent retinal reductase whose main activity is toward 9-cis and all-trans-retinol. In addition, RDH12 takes part in the metabolism of short-chain aldehydes but does not display steroid dehydrogenase activity.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 90% as determined by SDS-PAGE.  
**Content :** The RDH12 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 200mM NaCl, 2mM DTT and 40% glycerol.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSHMGKVVV ITGANTGIGK ETARELASRG ARVYIACRDV LKGESAASEI RVDTKNSQVL VRKLDLSDTK SIRAFAGFL AEEKQLHILI NNAGVMMCPY SKTADGFETH LGVNH LGHFL LTYLLLERLK VSAPARVVNV SSVAHHIGKI PFHDLQSEKR YSRGFAYCHS KLANVLFTRE LAKRLQGTGV TTYAVHPGVV RSELVRHSSL LCLLWRLFSP FVKTAREGAQ TSLHCALAEG LEPLSGKYFS DCKRTWVSPR ARNNKTAERL WNVSCCELLGI RWE

