

Retinol Dehydrogenase 12 Human Recombinant

Item Number	rAP-0990
Synonyms	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	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.
Uniprot Accession Number	Q96NR8
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMGKVVV ITGANTGIGK ETARELASRG ARVYIACRDV LKGE-SAASEI RVDTKNSQVL VRKLDLSDTK SIRAFAGFL AEEKQLHILI NNAGVMMCPY SKTADGFETH LGVNH LGHFL LTYLLLERLK VSAPARVVNV SSVAHHIGKI PFHDLQSEKR YSRGFAYCHS KLANVLF TRE LAKRLQGTGV TTYAVHPGVV RSELVRHSSL LCLLWRLFSP FVKTAREGAQ TSLHCALEG LEPLSGKYFS DCKRTWVSPR ARNNKTAERL WNVSCCELLGI RWE
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The RDH12 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 200mM NaCl, 2mM DTT and 40% glycerol. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**