



Human RDH10 peptide (DAG-P1882)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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. [provided by RefSeq, Dec 2011]
Specificity	Detected in retina, kidney, liver, small intestine, placenta, lung, heart and skeletal muscle.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the short-chain dehydrogenases/reductases (SDR) family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	RDH10 retinol dehydrogenase 10 (all-trans) [Homo sapiens (human)]
Official Symbol	RDH10
Synonyms	RDH10; retinol dehydrogenase 10 (all-trans); SDR16C4; retinol dehydrogenase 10; short chain dehydrogenase/reductase family 16C, member 4;
Entrez Gene ID	157506
mRNA Refseq	NM_172037.4

Protein Refseq	NP_742034.1
UniProt ID	Q8IZV5
Chromosome Location	8q21.11
Pathway	Disease, organism-specific biosystem; Diseases associated with visual transduction, organism-specific biosystem; Retinol metabolism, organism-specific biosystem; Retinol metabolism, conserved biosystem; Signal Transduction, organism-specific biosystem; The canonical retinoid cycle in rods (twilight vision), organism-specific biosystem; Visual phototransduction, organism-specific biosystem; Vitamin A and Carotenoid Metabolism, organism-specific biosystem; Vitamin A and carotenoid metabolism, orga
Function	NADP-retinol dehydrogenase activity; retinol dehydrogenase activity;