9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

RARA Human

Retinoic Acid Receptor Alpha Human Recombinant
RCP1813

Product Overview

Name	RARA Human
Description	
Retinoic Acid Receptor Alpha Human Recombinant	
Accession (Primary)	P10276
Synonyms	
Retinoic acid receptor alpha, RAR-alpha, Nuclear receptor subfamily 1 group B member 1,RAR, NR1B1, RARA.	
Introduction	
Retinoic acid receptor alpha (RAR) belongs to the large family of ligand responsive gene regulatory proteins that includes receptors for steroid and thyroid hormones. These proteins contain two highly conserved domains that are involved in determining their DNA and ligand-binding activities. There are three isotypes of RAR proteins: alpha, beta, and gamma. The RAR proteins are encoded by distinct genetic loci and possess distinct transcriptional properties. Typically, RAR-alpha represses target gene transcription in the absence of hormone, whereas RAR-beta and gamma fail to repress under these conditions. RARA is a receptor for retinoic acid that has profound effects on vertebrate development. Retinoic acid is a morphogen and is a powerful teratogen. RARA controls cell function by directly regulating gene expression. Chromosomal aberrations involving RARA cause acute promyelocytic leukemia (APL).	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The protein solution (1mg/1ml) contains 20mM Tris-HCl pH-7.5, 0.1M NaCl & 5mM b-mercaptoethanol.	
Stability	
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.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH M SEEIVPSPP SPPPLPRIYK PCFVCQDKSS GYHYGVSACE GCKGFFRRSI	

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QKNMVYTCHR DKNCIINKVT RNRCQYCRLQ KCFEVGMSKESVRNDRNKKK KEVPKPE.

Precautions

RARA Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P10276)