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32-4606: Recombinant Retnoid Acid Receptor Alpha

Alternative Name : Retinoic acid receptor alpha,RAR-alpha,Nuclear receptor subfamily 1 group B member 1,RAR,NR1B1,RARA.

Description

Source : Escherichia Coli. RARA Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 127 amino acids (68-173 a.a.) and having a molecular mass of 14kDa (molecular weight on SDS-PAGE will appear higher). The RARA fused to a 21 amino acid his tag at N-terminus and is purified by proprietary chromatographic techniques. 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).

Product Info

Amount :	25 µg
Purification :	Greater than 95.0% as determined by SDS-PAGE.
Content :	The protein solution (1mg/1ml) contains 20mM Tris-HCl pH-7.5, 0.1M NaCl & 5mM b-mercaptoethanol.
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 MSEEIVPSPP SPPPLPRIYK PCFVCQDKSS GYHYGVSACE GCKGFFRRSI QKNMVYTCHR DKNCIINKVT RNRCQYCRLQ KCFEVGMSKESVRNDRNKKK KEVPKPE.