

RAR α , 68-173aa, Human, His-tagged, Recombinant, E.coli

Cat.NO.: TP03682

3th Edition

Synonyms: Retinoic acid receptor, alpha isoform 1, NR1B1, RAR

Description: Retinoic acid receptors (RAR) belong 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. Three isotypes of RARs, alpha, beta, and gamma, are encoded by distinct genetic loci and possess distinct transcriptional properties.

Form: Liquid. In 20 mM Tris-HCl buffer (pH 7.5) containing 100 mM NaCl mM β -mercaptoethanol

Molecular Weight: 14 kDa (127 aa), confirmed by MALDI-TOF (molecular weight on SDS-PAGE will appear higher)

Sequences:

MGSSHHHHHSSGLVPRGSHMSEEIVSPSPPPPLPRIYKPCFVCQDKSSGYHYGVSACEGCKGFFRRSIQKNMV
YTCHRDKNCIINKVTRNRCQYCRLQKCFEVMGMSKESVRNDRNKKKKEVPKPE

Purity: > 95% by HPLC

Concentration: 1 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 μ g of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.