

Recombinant Human RORA protein, His & T7-tagged

Cat. No. RORA-1083H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RORA aa. (Gln164~Met401 (Accession # P35398) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gln164~Met401
Description	The protein encoded by this gene is a member of the NR1 subfamily of nuclear hormone receptors. It can bind as a monomer or as a homodimer to hormone response elements upstream of several genes to enhance the expression of those genes. The encoded protein has been shown to interact with NM23-2, a nucleoside diphosphate kinase involved in organogenesis and differentiation, as well as with NM23-1, the product of a tumor metastasis suppressor candidate gene. Also, it has been shown to aid in the transcriptional regulation of some genes involved in circadian rhythm. Four transcript variants encoding different isoforms have been described for this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.0kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	>95%
Characteristic	The isoelectric point is 5.6.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

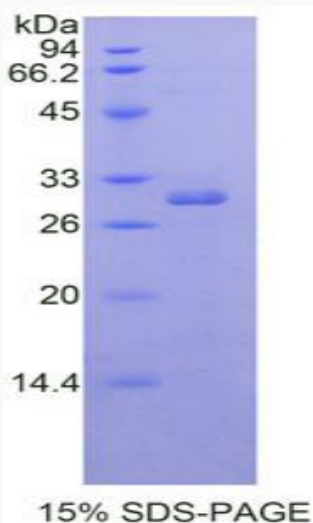
GENE INFORMATION

Gene Name	RORA RAR related orphan receptor A [Homo sapiens (human)]
Official Symbol	RORA
Synonyms	RORA; RAR related orphan receptor A; ROR1; ROR2; ROR3; RZRA; NR1F1; RZR-ALPHA; nuclear receptor ROR-alpha; ROR-alpha; nuclear receptor RZR-alpha; nuclear receptor subfamily 1 group F member 1; retinoic acid receptor-related orphan receptor alpha; retinoid-related orphan receptor alpha; thyroid hormone nuclear receptor alpha variant 4; transcription factor RZR-alpha

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Gene ID	6095
mRNA Refseq	NM_002943.3
Protein Refseq	NP_002934.1
UniProt ID	P35398
SDS-PAGE	 15% SDS-PAGE