

Recombinant Human RORA Protein, GST-tagged

Cat. No. RORA-3928H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human RORA full-length ORF (NP_599024.1, 1 a.a. - 468 a.a.) recombinant protein with GST-tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
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.
Molecular Mass	79.9 kDa
AA Sequence	MMYFVIAAMKAQIEIIPCKICGDKSSGIHYGVITCEGCKGFFRRSQQSNATYSCPRQK NCLIDRTSRNRCQHCRLLQKCLAVGMSRDAVKFGRMSKKQRDSLAEVQKHRMQQ QQRDHQQQPGEAEPLTPTYNISANGLTELHDDL SNYIDGHTPEGSKADSAVSSFYL DIQSPDQSGLDINGIKPEPICDYTPASGFFPYCSFTNGETSPTVSM AELEHLAQNIS KSHLETCQYLREELQQITWQTFLQEEIENYQNKQREVMWQLCAIKITEAIQYVVEFAK

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RIDGFMELCQNDQIVLLKAGSLEVVFIRMCRAFDSQNNTVYFDGKYASPDVFKSLGC
EDFISFVFEFGKSLCSMHLTEDEIALFSAFVLMASDRSWLQEKVKIEKLQQKIQLALQ
HVLQKNHREDGILTKLICKVSTLRALCGRHTEKLMAFKAIYPDIVRLHFPPLYKELFTS
EFEPAMQIDG

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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; IDDECA; 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;

Gene ID 6095

mRNA Refseq NM_134262

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Protein Refseq	NP_599024
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MIM	600825
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UniProt ID	P35398
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Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
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