

Recombinant Full Length Human RORA Protein, GST-tagged

Cat. No. RORA-6836HF **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	In Vitro Cell Free System
ProteinLength	468 amino acids
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 NCLIDRTSRNRCQHCLQKCLAVGMSRDAVKFGRMSKKQRDSLAEVQKHRMQQ QQRDHQQQPGEAEPLTPTYNISANGLTELHDDL SNYIDGHTPEGSKADSAVSSFYL DIQPSPDQSGLDINGIKPEPICDYTPASGFFPYCSFTNGETSPTVSM AELEHLAQNIS

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KSHLETCQYLREELQQITWQTFLQEEIENYQNKQREVMWQLCAIKITEAIQYVVEFAK
 RIDGFMELCQNDQIVLLKAGSLEVVFIRMCRAFDSQNNTVYFDGKYASPDVFKSLGC
 EDFISFVFEFGKSLCSMHLTEDEIALFSAFVLMSADRSWLQEKVKIEKLQQKIQLALQ
 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
MIM	600825
UniProt ID	P35398

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