

Recombinant Full Length Human RORA Protein, C-Flag-tagged

Cat. No. RORA-581HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human RORA Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	58.8 kDa
AA Sequence	MESAPAAPDPAASEPGSSGADAAAGSRETPLNQESARKSEPPAPVRRQSYSSTSR GISVTKKTHTSQIEI IPCKICGDKSSGIHYGVITCEGCKGFFRRSQQSNATYSCPRQK NCLIDRTSRNRCQHCR LQKCLAVGMSR DAVKFGRMSKKQRDSL YAEVQKHRMQQ QQRDHQQQPGEAEPLTPTYNISANGLTELHDDL SNYIDGHTPE GSKADSAVSSFYL

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DIQPSPDQSGLDINGIKPEPICDYTPASGFFPYCSFTNGETSPTVSMAELEHLAQNI S
 KSHLETCQYLREELQQITWQTFLQEEIENYQNKQREVMWQLCAIKITEAIQYVVEFAK
 RIDGFMELCQN DQIVLLKAGSLEVVFIRMCRAFDSQNNTVYFDGKYASPDVFKSLG
 CEDFISFVFEFGKSLCSMHLTEDEI ALFSAFVLMSADRSWLQEKVKIEKLQQKIQLAL
 QHVLQKNHREDGILTKLICKVSTLRALCGRHTEKLMA
 FKAIYPDIVRLHFPLYKELFTSEFEPAMQIDGTRTRPLEQKLISEEDLAANDILDYKD
 DDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors
Full Length	Full L.

GENE INFORMATION

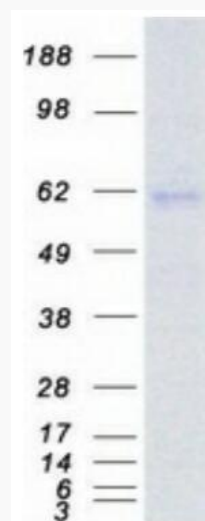
Gene Name	RORA RAR related orphan receptor A [Homo sapiens (human)]
Official Symbol	RORA
Synonyms	ROR1; ROR2; ROR3; RZRA; NR1F1; IDDECA; RZR-ALPHA

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Gene ID	6095
mRNA Refseq	NM_134261.3
Protein Refseq	NP_599023.1
MIM	600825
UniProt ID	P35398



Coomassie blue staining of purified RORA protein.