

Recombinant Mouse Rora Protein, Myc/DDK-tagged

Cat. No. Rora-5574M Lot. No. (See product label)

SPECIFICATION

Product Overview Purified recombinant protein of mouse full-length RAR-related orphan receptor alpha (cDNA clone MGC:5892 IMAGE:3592667), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.

Species Mouse

Source HEK293

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. Three transcript variants encoding different isoforms have been found for this gene.

Molecular Mass 87.2 kDa

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.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
GENE INFORMATION	
Gene Name	Rora RAR-related orphan receptor alpha [<i>Mus musculus</i> (house mouse)]
Official Symbol	Rora
Synonyms	Rora; RAR-related orphan receptor alpha; sg; Nr1; ROR1; ROR2; ROR3; Nr1f1; nmf267; tmgc26; staggerer; 9530021D13Rik; nuclear receptor ROR-alpha; RAR-related orphan receptor A; nuclear receptor RZR-alpha; nuclear receptor subfamily 1 group F member 1; retinoid-related orphan receptor-alpha
Gene ID	19883
mRNA Refseq	NM_013646
Protein Refseq	NP_038674
UniProt ID	P51448

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