

Recombinant Mouse Rorb Protein, Myc/DDK-tagged

Cat. No. Rorb-5575M Lot. No. (See product label)

SPECIFICATION

Product Overview Purified recombinant protein of mouse full-length RAR-related orphan receptor beta (cDNA clone MGC:38728 IMAGE:5358124), 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 is a DNA-binding protein that 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, and to help regulate the expression of some genes involved in circadian rhythm. Three transcript variants encoding different isoforms have been found for this gene.

Molecular Mass 43.6 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.

Storage Store at -80 centigrade after receiving vials.

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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 Rorb RAR-related orphan receptor beta [*Mus musculus* (house mouse)]

Official Symbol Rorb

Synonyms Rorb; RAR-related orphan receptor beta; hs; Nr1; Ror; RZRB; hstp; Nr1f2; RZR-b; Rorbeta; RZR-beta; nuclear receptor ROR-beta; nuclear receptor RZR-beta; nuclear receptor subfamily 1 group F member 2; retinoid-related orphan receptor-beta

Gene ID 225998

mRNA Refseq NM_146095

Protein Refseq NP_666207

UniProt ID Q8R1B8

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