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# Product datasheet for PH308666

## ROR beta (RORB) (NM_006914) Human Mass Spec Standard

### Product data:

| | |
|---|---|
| **Product Type:** | Mass Spec Standards |
| **Description:** | RORB MS Standard C13 and N15-labeled recombinant protein (NP_008845) |
| **Species:** | Human |
| **Expression Host:** | HEK293 |
| **Expression cDNA Clone or AA Sequence:** | RC208666 |
| **Predicted MW:** | 52.1 kDa |
| **Protein Sequence:** | >RC208666 protein sequence<br>Red=Cloning site Green=Tags(s)<br><br>MRAQIEVIPCKICGDKSSGIHYGVITCEGCKGFFRRSQQNNASYSCPRQRNCLIDRTNRNRCQHCRLQKC<br>LALGMSRDAVKFGRMSKKQRDSLYAEVQKHQQRLQEQRQQQSGEAEALARVYSSSISNGLSNLNNETSGT<br>YANGHVIDLPKSEGYYNVDSGQPSPDQSGLDMTGIKQIKQEPIYDLTSVPNLFTYSSFNNGQLAPGITMT<br>EIDRIAQNIIKSHLETCQYTMEELHQLAWQTHTYEEIKAYQSKSREALWQQCAIQITHAIQYVVEFAKRI<br>TGFMELCQNDQILLLKSGCLEVVLVRMCRAFNPLNNTVLFEGKYGGMQMFKALGSDDLVNEAFDFAKNLC<br>SLQLTEEEIALFSSAVLISPDRAWLIEPRKVQKLQEKIYFALQHVIQKNHLDDETLAKLIAKIPTITAVC<br>NLHGEKLQVFKQSHPEIVNTLFPPLYKELFNPDCATGCK<br><br>TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| **Tag:** | C-Myc/DDK |
| **Purity:** | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| **Concentration:** | >0.05 µg/µL as determined by microplate BCA method |
| **Labeling Method:** | Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine |
| **Buffer:** | 25 mM Tris-HCl, 100 mM glycine, pH 7.3 |
| **Storage:** | Store at -80°C. Avoid repeated freeze-thaw cycles. |
| **Stability:** | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| **RefSeq:** | NP_008845 |
| **RefSeq Size:** | 3604 |
| **RefSeq ORF:** | 1377 |
| **Synonyms:** | bA133M9.1; EIG15; NR1F2; ROR-BETA; RZR-BETA; RZRB |

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**Locus ID:** 6096

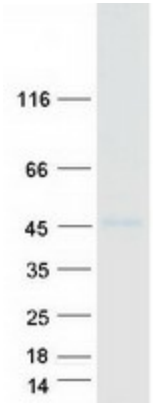
**UniProt ID:** Q58EY0

**Cytogenetics:** 9q21.13

**Summary:** 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. [provided by RefSeq, Feb 2014]

**Protein Families:** Druggable Genome, Nuclear Hormone Receptor, Transcription Factors

## Product images:




Coomassie blue staining of purified RORB protein (Cat# [TP308666]). The protein was produced from HEK293T cells transfected with RORB cDNA clone (Cat# [RC208666]) using MegaTran 2.0 (Cat# [TT210002]).