

Product datasheet for **RG237622**

Retinoid X Receptor beta (RXRB) (NM_001291989) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Retinoid X Receptor beta (RXRB) (NM_001291989) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Retinoid X Receptor beta
Synonyms:	DAUDI6; H-2RIIBP; NR2B2; RCoR-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237622 representing NM_001291989. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGCGCGAGTGTGGAGGTGGCCCTGGGGCTGGCAAACGGCTATGTGCAATCTGCGGGGACAGAAGCTCA
GGCAAACACTACGGGTTTACAGCTGTGAGGGTTGCAAGGGCTTCTTCAAACGCACCATCCGCAAAGAC
CTTACATACTCTTGCCGGGACAACAAAGACTGCACAGTGGACAAGCGCCAGCGGAACCGTGT CAGTAC
TGCCGCTATCAGAAGTGCCTGGCCACTGGCATGAAGAGGGAGGCGGTACAGGAGGAGCGTCAGCGGGGA
AAGGACAAGGATGGGGATGGGGAGGGGGCTGGGGAGCCCCGAGGAGATGCCTGTGGACAGGATCCTG
GAGGCAGAGCTTGTGTGGAACAGAAGAGTGACCAGGGCGTTGAGGGTCTGGGGAAACCGGGGTAGC
GGCAGCAGCCAAATGACCCTGTGACTAACATCTGT CAGGCAGCTGACAAACAGCTATTCACGCTTGTT
GAGTGGGCGAAGAGGATCCCACACTTTTCTCCTTGCCCTCTGGATGATCAGGT CATATTGCTGCGGGCA
GGCTGGAATGAACTCCTCATTGCCTCCTTCTCACACCGATCCATTGATGTTGAGATGGCATCCTCCTT
GCCACAGGTCTTACGTGACCCGCAACTCAGCCATT CAGCAGGAGTAGGAGCCATCTTTGATCGGTCC
CTCTCCAGGGTGTGACAGAGCTAGTGTCCAAATGCGTGACATGAGGATGGACAAGACAGAGCTTGGC
TGCTGAGGGCAATCATTCTGTTAATCCAGATGCCAAGGGCCTCTCAAACCTAGTGAGGTGGAGGTC
CTGCGGGAGAAAGTGTATGCATCACTGGAGACCTACTGCAAACAGAAGTACCCTGAGCAGCAGGGACGG
TTTGCCAAGCTGCTGCTACGCTTCTGCCCTCCGGTCCATTGGCCTTAAGTGTCTAGAGCATCTGTTT
TTCTTCAAGCTCATTGGTGACACCCCATCGACACCTTCTCATGGAGATGCTTGAGGCTCCCATCAA
CTGGCC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237622
 Blue=ORF Red=Cloning site Green=Tag(s)

MRECGGGPGAGKRLCAICGRSSGKHYGVYSCEGCKGFFKRTIRKDLTYSCRDNKDCTVDRQRNRCQY
 CRYQKCLATGMKREAVQEERQRGKDKDGDGEGAGGAPEEMPVDRILEAELAVEQKSDQGVGPGGTGGS
 GSSPNDPVTNICQAADKQLFTLVEWAKRIPHFSSPLDDQVILLRAGWNELLIASFSHRSIDVRDGILL
 ATGLHVHRNSAHSAGVGAIFDRSLSRVLTELVSKMRDMRMDKTELGLRAIILFNPDAKGLSNPSEVEV
 LREKVVYASLETYCKQKYPEQQGRFAKLLRLPALRSIGLKCLEHLFFFKLIGDTPIDTFLMEMLEAPHQ
 LA
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001291989

ORF Size: 1041 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

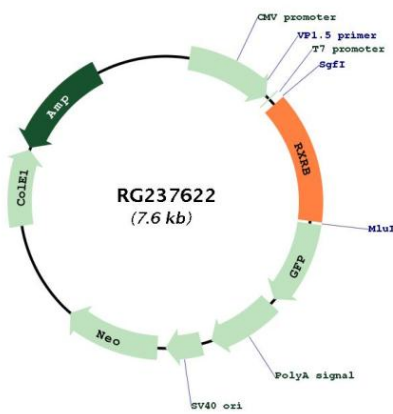
Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

RefSeq: [NM_001291989.1](#), [NP_001278918.1](#)

RefSeq Size: 2212 bp

RefSeq ORF:	1044 bp
Locus ID:	6257
Cytogenetics:	6p21.32
Protein Families:	Druggable Genome, Nuclear Hormone Receptor, Transcription Factors
Protein Pathways:	Adipocytokine signaling pathway, Non-small cell lung cancer, Pathways in cancer, PPAR signaling pathway, Small cell lung cancer, Thyroid cancer
MW:	39 kDa
Gene Summary:	This gene encodes a member of the retinoid X receptor (RXR) family of nuclear receptors which are involved in mediating the effects of retinoic acid (RA). The encoded protein forms homodimers with the retinoic acid, thyroid hormone, and vitamin D receptors, increasing both DNA binding and transcriptional function on their respective response elements. This gene lies within the major histocompatibility complex (MHC) class II region on chromosome 6. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jul 2012]

Product images:



Circular map for RG237622