

Active Recombinant Human RXRB Protein, GST tagged

Cat. No. RXRB-32H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Retinoid X Receptor beta Ligand Binding Domain, GST-tagged (amino acids 295-533; NP_068811) is expressed in insect cells.
Species	Human
Source	Insect Cells
ProteinLength	295-533 aa
Description	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.
Form	50 mM Tris (pH 7.5), 150 mM NaCl, 0.5 mM EDTA, 0.02% Triton X-100, 10 mM DTT and 50% Glycerol.
Molecular Mass	54.5 kDa. Calculated from the protein sequence(s).
Purity	85% as determined by a SDS-PAGE gel stained with SimplyBlue SafeStain.
Storage	If properly stored in its original container at -80 centigrade, this product is guaranteed

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for 6 months from date of purchase. Mix gently, do not vortex. Do NOT make single use aliquots.

Concentration 0.57 mg/mL total protein as measured using the Bradford protein assay with BSA as a standard. Calculated 10,500 nM.

Shipping Dry ice

GENE INFORMATION

Gene Name RXRB retinoid X receptor beta [Homo sapiens (human)]

Official Symbol RXRB

Synonyms RXRB; retinoid X receptor beta; NR2B2; DAUDI6; RCoR-1; RXRbeta; H-2RIIBP; RXR-beta; retinoic acid receptor RXR-beta; MHC class I promoter binding protein; nuclear receptor subfamily 2 group B member 2

Gene ID 6257

mRNA Refseq NM_021976

Protein Refseq NP_068811

MIM 180246

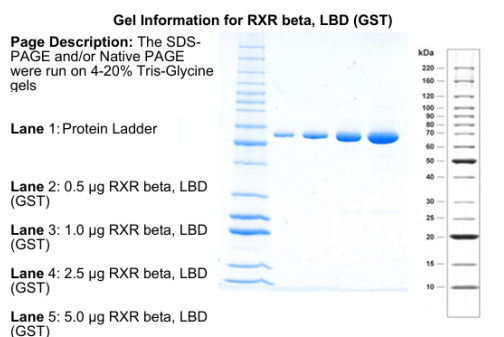
UniProt ID P28702

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SDS-PAGE



Protein sequence

GenBank Accession Number: NP_060811

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1 MAPLEYSKI KGLVPTKLL LYLLEKTEE BLVERDEGK WNNKXFEGL EPNALPYVD GQVLTQMA IIRYADNH NLGGCPNERA EISNLEAVL GST TAG
2 MAPLEYSKI KGLVPTKLL LYLLEKTEE BLVERDEGK WNNKXFEGL EPNALPYVD GQVLTQMA IIRYADNH NLGGCPNERA EISNLEAVL LOR BETA LBD
295 -----
380 DIERGVYSRIA YKSDFTLVK DFLSKLPERL KWFEDRLCH TYLMGSHVTH PDFRLYALD VLVYHPIREL DAFNLVCFK KKEATPQID KYLSSSKYIA
385 DIERGVYSRIA YKSDFTLVK DFLSKLPERL KWFEDRLCH TYLMGSHVTH PDFRLYALD VLVYHPIREL DAFNLVCFK KKEATPQID KYLSSSKYIA
395 -----
280 MFLGSHVTH GGDHPKPSD LVPR
285 MFLGSHVTH GGDHPKPSD LVPRINQTSI YKAGASAMP FTAPERPVD RLEAEALVE QKSDQVEEP GGTGSGSSP NQPTNDCQA ADMLFTLVE
295 -----
224
380 MARIPIPHSS LPADDDVLL RAGNELLIA SFMSRSDVR DEILLATGLV VHNNSAHSAG VQATPRLVT ELYSPMDMR NQTELOGLR AILPMPAK
393 MARIPIPHSS LPADDDVLL RAGNELLIA SFMSRSDVR DEILLATGLV VHNNSAHSAG VQATPRLVT ELYSPMDMR NQTELOGLR AILPMPAK
224
485 GLNPSSEV LREKVASLE TYCKQYPEQ QGFARILLR LPALKSISGL CLEHFFFKL IGTPTITEL NRELEAPHQL A
493 GLNPSSEV LREKVASLE TYCKQYPEQ QGFARILLR LPALKSISGL CLEHFFFKL IGTPTITEL NRELEAPHQL A
    
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