Glucocorticoid Receptor (NR3C1), Partial (NR3C1) Tupaia Belangeri Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glucocorticoid receptor (NR3C1), partial, Recombinant Protein
Full Product Name	Recombinant Tupaia belangeri Glucocorticoid receptor (NR3C1), partial
Product Gene Name	NR3C1 recombinant protein
Product Synonym Gene Name	NR3C1; GRL
Product Synonym Names	Glucocorticoid receptor; GR; Nuclear receptor subfamily 3 group C member 1
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	85,838 Da
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q95267
Species	Tupaia belangeri (Common tree shrew) (Tupaia glis belangeri)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for NR3C1 recombinant protein	MBS1488089 is a recombinant protein targeting NR3C1. Also known as Recombinant Tupaia belangeri Glucocorticoid receptor (NR3C1), partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of NR3C1 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NR3C1. It may not necessarily be applicable to this product.

NCBI GI #	2500911
NCBI Accession #	Q95267.1
UniProt Primary Accession #	Q95267
NCBI Official Full Name	Glucocorticoid receptor
UniProt Protein Name	Glucocorticoid receptor
UniProt Synonym Protein Names	Nuclear receptor subfamily 3 group C member 1
Protein Family	Glucocorticoid receptor
UniProt Gene Name	NR3C1

UniProt Synonym Gene Names	GRL; GR
UniProt Entry Name	GCR_TUPBE
UniProt Comments for NR3C1	Receptor for glucocorticoids (GC). Has a dual mode of action: as a transcription factor that binds to glucocorticoid response elements (GRE), both for nuclear and mitochondrial DNA, and as a modulator of other transcription factors. Affects inflammatory responses, cellular proliferation and differentiation in target tissues. Involved in chromatin remodeling. Plays a role in rapid mRNA degradation by binding to the 5' UTR of target mRNAs and interacting with PNRC2 in a ligand-dependent manner which recruits the RNA helicase UPF1 and the mRNA-decapping enzyme DCP1A, leading to RNA decay. Could act as a coactivator for STAT5-dependent transcription upon growth hormone (GH) stimulation and could reveal an essential role of hepatic GR in the control of body growth. Mediates glucocorticoid-induced apoptosis. Promotes accurate chromosome segregation during mitosis. May act as a tumor suppressor. May play a negative role in adipogenesis through the regulation of lipolytic and antilipogenic gene expression.
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