

Recombinant Human Glucocorticoid receptor LBD/Hsp90 complex, GST-tagged

Cat. No. NR3C1-104H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human GST-tagged Glucocorticoid receptor ligand-binding domain (GR-LBD) consists of a 218 a.a. GST tag, a 30 a.a. flexible linker and a 275 a.a. GR-LBD, Acc# NP_000167, amino acids 503-777. It was produced in complex with human Hsp90 to facilitate native protein conformation and advanced performance in ligand binding and coactivator peptide recruitment assays. GST tagged GR-LBD, human Hsp90 and human Hsc70 are major components of the complex.

Species Human

Source Sf9 Cells

Form 20 mM Na-P pH 8.0, 40 mM KCl, 20 mM Na₂MoO₄, 5 mM DTT, 7 mM reduced glutathione, 15% glycerol.

Purity >80%

Applications Ligand binding and coactivator peptide recruitment assays.

Storage Immediately store at -80°C. Avoid freeze-thaw cycles. While working, please keep sample on ice.

GENE INFORMATION

Gene Name NR3C1 nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor) [

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	Homo sapiens]
Official Symbol	NR3C1
Synonyms	NR3C1; nuclear receptor subfamily 3, group C, member 1 (glucocorticoid receptor); GRL, nuclear receptor subfamily 3, group C, member 1; glucocorticoid receptor; GR; glucocorticoid nuclear receptor variant 1; GCR; GRL; GCCR;
Gene ID	2908
mRNA Refseq	NM_000176
Protein Refseq	NP_000167
UniProt ID	P04150
Chromosome Location	5q31-q32
Pathway	Adipogenesis, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; BMAL1:CLOCK/NPAS2 Activates Circadian Expression, organism-specific biosystem; Circadian Clock, organism-specific biosystem; FOXA2 and FOXA3 transcription factor networks, organism-specific biosystem; Gene Expression, organism-specific biosystem; Generic Transcription Pathway, organism-specific biosystem;
Function	Hsp70 protein binding; Hsp90 protein binding; chromatin binding; double-stranded DNA binding; glucocorticoid receptor activity; metal ion binding; protein binding; protein heterodimerization activity; protein homodimerization activity; receptor activity; receptor tyrosine kinase binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; steroid binding; zinc ion binding;

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