

Product datasheet for **SC214569**

Glucocorticoid Receptor (NR3C1) (NM_001020825) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Glucocorticoid Receptor (NR3C1) (NM_001020825) Human 3' UTR Clone
Symbol:	Glucocorticoid Receptor
Synonyms:	GCCR; GCR; GCRST; GR; GRL
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001020825
Insert Size:	1460 bp



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Insert Sequence:	>SC214569 3'UTR clone of NM_001020825 The sequence shown below is from the reference sequence of NM_001020825. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CCAGAAAGCACATCTCACACATTAATCTGATTTTCATCCCAACAATCTTGGCGCTCAAAAAATAGAAGT CAATGAGAAAAAGAAGATTATGTGCACTTCGTTGTCAATAATAAGTCAACTGATGCTCATCGACAACCTA TAGGAGGCTTTTCATTAAATGGGAAAAGAAGCTGTGCCCTTTTAGGATACGTGGGGGAAAAGAAAGTCA TCTTAATTATGTTAATTGTGGATTAAAGTGCTATATGGTGGTGTGTTTAAAGCAGATTTATTTCTT ATGTATGTGTTATCTGGCCATCCCAACCCAACTGTTGAAGTTTGTAGTAACCTCAGTGAGAGTTGGTT ACTCACAACAAATCCTGAAAAGTATTTTGTGTTTGTAGGTATTCTGTGGGATACTATACAAGCAGAA CTGAGGCACTTAGGACATAACACTTTTGGGTATATATCCAAATGCCTAAACTATGGGAGGAAACC TTGGCCACCCCAAGGAAAAGTAACTGATTTGTGTCTATGAAGTGTGGATAATTAGCATGGGATGA GCTCTGGGCATGCCATGAAGGAAAGCCACGCTCCCTTCAGAAATCAGAGGCAGGGAGCAATTCCAGTTT CACCTAAGTCTCATAATTTAGTTCCCTTTTAAAAACCTGAAAAGTACATCACCATGGAATGAAAAAT ATTGTTATACAATACATTGATCTGTCAAACCTCCAGAACCATGGTAGCCTTCAGTGAGATTTCCATCTT GGCTGGTCACTCCCTGACTGTAGCTGTAGGTGAATGTGTTTTGTGTGTGTGTCTGGTTTTAGTGTC AGAAGGGAATAAAAGTGAAGGAGGACACTTTAAACCTTTGGGTGGAGTTTCGTAATTTCCAGACT ATTTTCAAGCAACCTGGTCCACCCAGGATTAGTGACAGGTTTTCAGGAAAGGATTTGCTTCTCTAG AAAATGTCTGAAAGGATTTTATTTCTGATGAAAGGCTGTATGAAATACCTCCTCAAATAACTTGCT TAACATACATATAGATTCAAGTGTGTCAATATTCTATTTTGTATATTAATGCTATATAATGGGACAAA TCTATATTATACTGTGTATGGCATTATTAAGAAGCTTTTTCATTATTTTATCACAGTAATTTTAAAA TGTGTAATAAATAAAACAGTGACTCCTGTTTAAAAATAAAAGTTGTAGTTTTTATTCATGCTGAATA ATAATCTGTAGTTAAAAAAAAGTGCTTTTTACCTACGCAGTGAAATGTCAGACTGTAAACCTTGTC TGGAAATGTTAACTTTTATTTTTCATTTAAATTTGCTGTTCTGGTATTACCAACCACACATTGTGA CCGAATTGGCAGTAAATGTTAGCCATTTACAGCAATGCCAAATATGGAGAAACATCATAATAAAAAAT CTGCTTTTTCA ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_001020825.2</u>

Summary:

This gene encodes glucocorticoid receptor, which can function both as a transcription factor that binds to glucocorticoid response elements in the promoters of glucocorticoid responsive genes to activate their transcription, and as a regulator of other transcription factors. This receptor is typically found in the cytoplasm, but upon ligand binding, is transported into the nucleus. It is involved in inflammatory responses, cellular proliferation, and differentiation in target tissues. Mutations in this gene are associated with generalized glucocorticoid resistance. Alternative splicing of this gene results in transcript variants encoding either the same or different isoforms. Additional isoforms resulting from the use of alternate in-frame translation initiation sites have also been described, and shown to be functional, displaying diverse cytoplasm-to-nucleus trafficking patterns and distinct transcriptional activities (PMID:15866175). [provided by RefSeq, Feb 2011]

Locus ID:

2908

MW:

56.3