



GR (121-420): sc-4334 WB

BACKGROUND

The glucocorticoid receptor (GR) is a ubiquitously expressed transcription factor that mediates the effects of glucocorticoids. The two isoforms of GR, α and β , are 95 and 90 kDa in length, respectively. The most abundant isoform is GR α . The GR induces or represses the expression of genes in response to glucocorticoids, mediating such processes as cell growth and differentiation and apoptosis. A significant class of genes suppressed by GR is controlled by the transcription factor AP-1. GR has also been shown to be the limiting factor in the induction of gene expression by glucocorticoids. It has been revealed that GR forms a complex with HSP 90 rendering the non-ligand bound receptor transcriptionally inactive. More importantly, mutant GRs lacking the signaling domain remain constitutively active.

REFERENCES

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SOURCE

GR (121-420) is expressed in *E. coli* as a 60 kDa tagged fusion protein corresponding to amino acids 121-420 of glucocorticoid receptor α of human origin.

PRODUCT

GR (121-420) is purified from bacterial lysates (>98%) by column chromatography; supplied as 10 μ g in 0.1 ml SDS-PAGE loading buffer.

APPLICATIONS

GR (121-420) is suitable as a Western blotting control for sc-8992 and sc-12763.

STORAGE

Store at -20° C; stable for one year from the date of shipment.

RESEARCH USE

For research use only, not for use in diagnostic procedures.