abcam

Product datasheet

Recombinant Human Retinoic Acid Receptor gamma protein ab81922

1 References

Overview

Product name	Recombinant Human Retinoic Acid Receptor gamma protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Baculovirus

Amino Acid Sequence

Species	Human

Specifications

Our Abpromise guarantee covers the use of **ab81922** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Biological activity	1 unit equals 1 nanogram of purified protein.
Applications	SDS-PAGE
Purity	> 90 % SDS-PAGE. ab81922 is purified by a combination of affinity and gel filtration chromatography.
Form	Liquid
Additional notes	1 unit equals 1 nanogram of purified protein.

Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. Preservative: None Constituents: 20% Glycerol, 20mM Tris HCl, 100mM Potassium chloride, 1mM DTT, 0.2mM EDTA, pH 8

General Info

Function	Receptor for retinoic acid. Retinoic acid receptors bind as heterodimers to their target response elements in response to their ligands, all-trans or 9-cis retinoic acid, and regulate gene expression in various biological processes. The RAR/RXR heterodimers bind to the retinoic acid response elements (RARE) composed of tandem 5'-AGGTCA-3' sites known as DR1-DR5. In the absence of ligand, acts mainly as an activator of gene expression due to weak binding to corepressors. Required for limb bud development. In concert with RARA or RARB, required for skeletal growth, matrix homeostasis and growth plate function.
Sequence similarities	Belongs to the nuclear hormone receptor family. NR1 subfamily. Contains 1 nuclear receptor DNA-binding domain.
Domain	Composed of three domains: a modulating N-terminal domain, a DNA-binding domain and a C-terminal ligand-binding domain.
Cellular localization	Nucleus.

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