

Recombinant NR2C1 protein

Catalog No: 82161, 82761

Expressed In: Baculovirus

Quantity: 20, 1000 µg

Source: Human

Buffer Contents: Recombinant NR2C1 (TR2) protein is supplied in 25 mM HEPES pH 7.5, 300 mM NaCl, 20% glycerol, 0.04% Triton X-100, 0.5 mM TCEP.

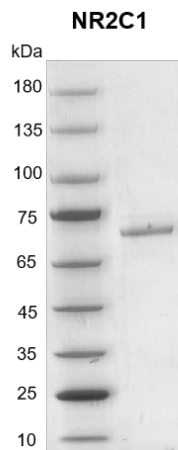
Background: NR2C1 (Nuclear Receptor Subfamily 2 Group C Member 1)

, also known as TR2 (Testicular Receptor 2), is a nuclear receptor that functions as a transcriptional repressor or activator in a context-dependent manner. It is involved in embryonic development, cell proliferation, and differentiation, particularly within the hematopoietic and nervous systems, by regulating gene networks related to growth and metabolism. Emerging research also links its dysregulated expression to the development and progression of certain cancers.

Protein Details: Recombinant NR2C1 (TR2) protein was expressed in baculovirus expression system as the full length protein (accession number NP_003288.2) with a N-terminal FLAG tag. The molecular weight of the protein is 68.59 kDa.

Application Notes: This product was manufactured as described in Protein Details. Where possible, Active Motif has developed functional or activity assays for recombinant proteins. Additional characterization such as enzyme kinetic activity assays, inhibitor screening or other biological activity assays may not have been performed for every product. All available data for this product is shown.

Storage and Guarantee: Recombinant proteins in solution are temperature sensitive and must be stored at -80°C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage. This product is for research use only and is not for use in diagnostic procedures. This product is guaranteed for 6 months from date of arrival.

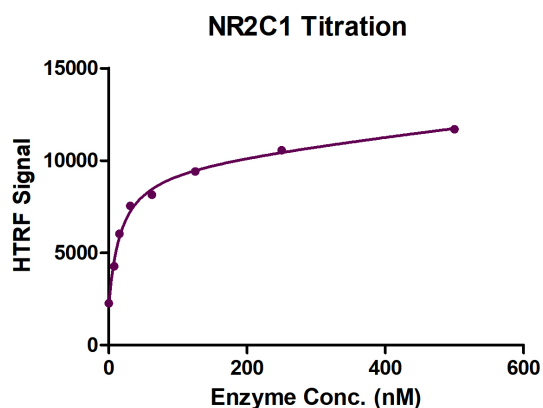


Recombinant NR2C1 protein gel

4-20% SDS-PAGE gel

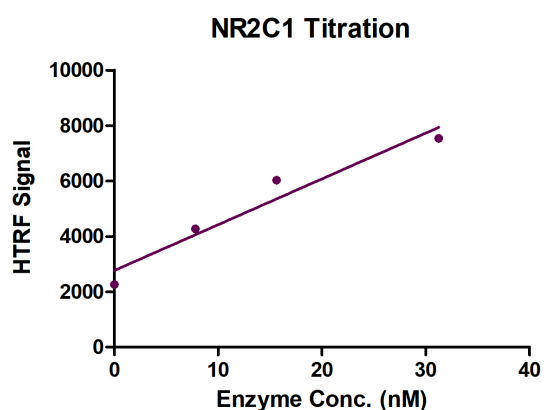
MW: 68.59 kDa

Purity: >95%



HTRF Assay for Recombinant NR2C1 activity.

1 μ M substrate dsDNA (5' biotin-ATAGGTCACGGAGAGGTCAGC 3') was incubated with different concentrations of NR2C1 protein in reaction buffer containing 50 mM HEPES-NaOH pH 7.0, 100 μ M ZnCl₂, 0.1% BSA at room temperature for 1 hour. Anti-FLAG antibody was used to detect reaction products.



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