

Recombinant RORA protein

Catalog No: 82159, 82759

Expressed In: Baculovirus

Quantity: 20, 1000 µg

Source: Human

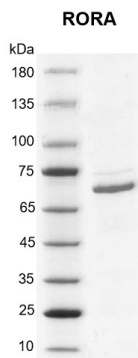
Buffer Contents: Recombinant RORA protein is supplied in 25 mM HEPES pH 7.5, 300 mM NaCl, 20% glycerol, 0.04% Triton X-100, 0.5 mM TCEP.

Background: **RORA (RAR-related Orphan Receptor Alpha)** is a nuclear receptor that functions as a ligand-dependent transcription factor with diverse roles in development and homeostasis. It regulates the expression of genes involved in lipid metabolism, immune function, and the circadian clock, particularly in the brain where it influences neuronal development and Purkinje cell survival. Dysregulation of **RORA** is implicated in metabolic disorders, certain autoimmune diseases, and neurological conditions such as autism spectrum disorders.

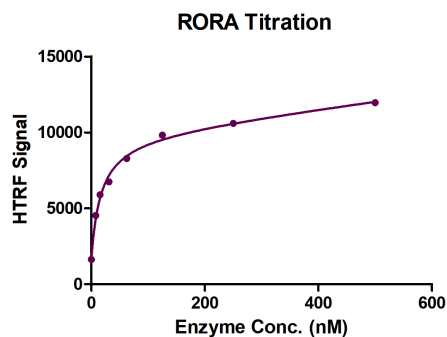
Protein Details: Recombinant RORA protein was expressed in baculovirus expression system as the full-length protein (accession number NP_599023.1) with a N-terminal FLAG tag. The molecular weight of the protein is 60.25 kDa.

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 RORA protein gel
 4-20% SDS-PAGE gel
 MW: 60.25
 Purity: >95%



HTRF Assay for Recombinant RORA activity.

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