

Recombinant RORC protein

Catalog No: 82160, 82760

Expressed In: Baculovirus

Quantity: 20, 1000 µg

Source: Human

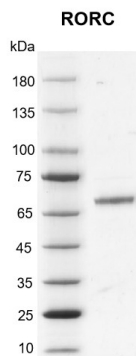
Buffer Contents: Recombinant RORC protein is supplied in 25 mM HEPES pH 7.5, 300 mM NaCl, 20% glycerol, 0.04% Triton X-100, 0.5 mM TCEP.

Background: RORC (RAR-related Orphan Receptor Gamma) , primarily known as the master transcription factor RORγt, is indispensable for the differentiation and function of immune cells, including Th17 cells and group 3 innate lymphoid cells (ILC3s). It directs the transcriptional program to produce pro-inflammatory cytokines such as IL-17A and IL-22, playing a central role in mucosal immunity, inflammation, and autoimmune pathogenesis. Consequently, RORC/RORγt is a prime therapeutic target for treating autoimmune and inflammatory diseases like psoriasis, multiple sclerosis, and inflammatory bowel disease.

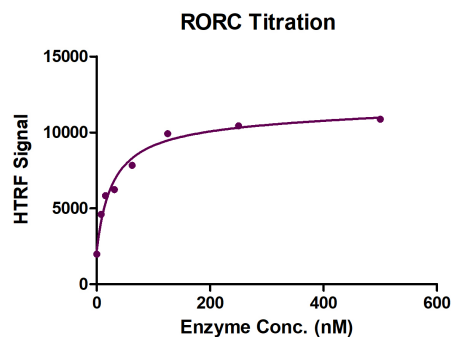
Protein Details: Recombinant RORC protein was expressed in baculovirus expression system as the full-length protein (accession number NP_005051.2) with a N-terminal FLAG tag. The molecular weight of the protein is 59.47 kDa.

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 RORC protein gel
 4-20% SDS-PAGE gel
 MW: 59.47 kDa
 Purity: >95%



HTRF Assay for Recombinant RORC activity.

1 μ M substrate dsDNA (5' biotin-ATATAACTAGGTCATA 3') was incubated with different concentrations of RORC 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.