

## Recombinant NR1D2 protein

**Catalog No:** 82158, 82758

**Expressed In:** Baculovirus

**Quantity:** 20, 1000 µg

**Source:** Human

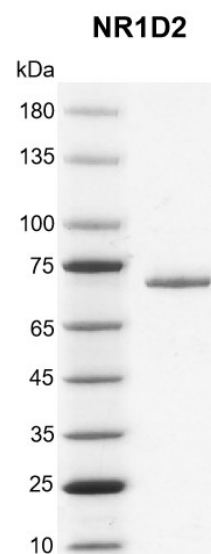
**Buffer Contents:** Recombinant NR1D2 protein is supplied in 25 mM HEPES pH 7.5, 300 mM NaCl, 20% glycerol, 0.04% Triton X-100, 0.5 mM TCEP.

**Background:** **NR1D2 (Nuclear Receptor Subfamily 1 Group D Member 2)**, also known as Rev-Erbβ, is a transcriptional repressor and a core component of the circadian clock machinery. It functions as a heme-binding nuclear receptor to rhythmically repress the expression of key clock genes, such as BMAL1 (ARNTL), thereby regulating circadian physiology. Beyond timekeeping, **NR1D2** integrates metabolic and inflammatory pathways, influencing lipid and glucose homeostasis, as well as macrophage function. Dysregulation of **NR1D2** is linked to circadian rhythm disorders, metabolic diseases, and inflammatory conditions.

**Protein Details:** Recombinant NR1D2 protein was expressed in baculovirus expression system as the full-length protein (accession number NP\_005117.3) with a N-terminal FLAG tag.

**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 NR1D2 protein gel**  
4-20% SDS-PAGE gel  
MW: 65.91 kDa  
Purity: >95%