

Recombinant Human NR1H4 Protein Product Manual

1. Product Basic Information

Product No.: REP07634

Protein Name: Bile Acid Receptor (NR1H4)

Aliases: BAR; FXR; HRR1; HRR-PFIC5; RIP14; bile acid receptor; farnesol receptor HRR-RXR-interacting protein 14; farnesoid X nuclear receptor; farnesoid X-activated receptor; retinoid X receptor-interacting pr...

UniProt ID: Q96RI1

UniProt Link: <https://www.uniprot.org/uniprotkb/Q96RI1/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Isoform 3 (1-476aa)

Molecular Weight: 70.7kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (1-476aa)

MGSKMNLIEHSHLPTTDEFSFSENLFGLTEQVAGPLGQNLEVEPYYSQYSNVQFPQ
VQPQISSSSYYSNLGFYPQQPEEWYSPGIYELRRMPAETLYQGETEVAEMPVTKKP
RMGASAGRIKGDLCVVCGRASGYHYNALTCEGCKGFFRRSITKNAVYKCKNGG
NCVMDMYMRRKCQECRLRKCKEMGMLAECMYTGLLTEIQCKSKRLRKNVKQHAD
QTVNEDSEGRDLRQVTSTTKSCREKTELTPDQQTLLHFIMDSYNKQRMPQEITNKIL
KEEFSAEENFLITEMATNHVQVLVEFTKKLPGFQTLDHEDQIALLKGSVEAMFLR
SAEIFNKKLPSGHSDDLLEERIRNSGISDEYITPMFSFYKSIGELKMTQEEYALLTAIVIL
SPDRQYIKDREAVEKLQEPLLDVLQKLCKIHQPENPQHFACLLGRLTELRTFNHHHA
EMLMSWRVNDHKFTPLLCEIWDVQ

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human NR1H4 full length of isoform 3 protein (1-476aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. NR1H4, also known as BAR or FXR or HRR1, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.