



Recombinant Human HCAR2 Protein Product Manual

1. Product Basic Information

Product No.: REP07087

Protein Name: Niacin Receptor Nicotinic Acid Receptor (HCAR2)

Aliases: HCA2; HM74a; HM74b; PUMAG; NIACR1; Puma-GPR109A; niacin receptor nicotinic acid receptor; G-protein coupled receptor 109A; G protein-coupled receptor HM74a; G-protein coupled receptor HM74A

UniProt ID: Q8TDS4

UniProt Link: <https://www.uniprot.org/uniprotkb/Q8TDS4/entry>

Species Source: Homo sapiens (Human)

Expression System: in vitro E.coli expression system

Protein Length: Full Length (1-363aa)

Molecular Weight: 42.7 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (1-363aa)

MNRHHLQDHFLEIDKKNCCVFRDDFIVKVLPPVLGLEFIFGLLGNGLALWIFCFHLKS
WKSSRIFLFNLAVADFLLIICLPFLMDNYVRRWDWKFGDIPCRMLFMLAMNRQGSII
FLTVAVDYFRVVPVPHHALNKISNRTAAIISCLLWGITIGLTVHLLKKKMPIQNGGAN
LCSSFSICHTFQWHEAMFLEFFLPLGIILFCSARIIWSLRQRQMDRHAKIKRAITFIM
VVAIVFVICFLPSVVVRIRIFWLLHTSGTQNCVYRSVDLAFFITLSFTYMNSMLDPVV
YYFSSPSFPNFFSTLINRCLQRKMTGEPDNNRSTSVELTGDPNKTGGAPEALMANS
GEPWSPSYLGPTSP

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 buffer containing 6% Trehalose.

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 HCAR2 full length protein (1-363aa) expressed in in vitro E.coli expression system. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. HCAR2, also known as HCA2 or HM74a or HM74b, 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.