



# Recombinant Human HOMER1 Protein Product Manual

## 1. Product Basic Information

**Product No.:** REP07138

**Protein Name:** HOMER1

**Aliases:** HOMER; SYN47; Ves-HOMER1A; HOMER1B; HOMER1C

**UniProt ID:** Q86YM7

**UniProt Link:** <https://www.uniprot.org/uniprotkb/Q86YM7/entry>

**Species Source:** Homo sapiens (Human)

**Expression System:** E.coli

**Protein Length:** Full Length (1-354aa)

**Molecular Weight:** 44.3kDa

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

## 2. Amino Acid Sequence (1-354aa)

MGEQPIFSTRAHVFQIDPNTKKNWVPTSKHAVTVSYFYDSTRNVYRIISLDGSKAIIN  
STITPNMTFTKTSQKFGQWADSRANTVYGLGFSSEHLSKFAEKQEFKEAARLAK  
EKSQEKMELTSTPSQESAGGDLQSPLTPESINGTDDERTPDVTQNSEPRAEPTQN  
ALPFSHSSAISKHWEAELATLKGNNAKLTAALLESTANVKQWKQQLAAYQEEAERL  
HKRVTELECVSSQANAVHTHKTELNQTIQELETCLKKEEEIERLKQEIDNARELQEQ  
RDSLTQKLQEVEIRNKDLEGQLSDLEQRLEKSQNEQEAFRNNLKTLLEILDGKIFELT  
ELRDNLAKLLECS

## 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 HOMER1 full length protein (1-354aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. HOMER1, also known as HOMER or SYN47 or Ves-HOMER1A, 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.