

# Recombinant human HOMER3 protein

Catalog Number: ATGP1548

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-361aa

### UniProt No.

Q9NSC5

### NCBI Accession No.

NP\_001139194

### Alternative Names

Homer protein homolog 3, HOMER-3, VESL3

## PRODUCT SPECIFICATION

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### Molecular Weight

42.5 kDa (386aa) confirmed by MALDI-TOF

### Concentration

0.25mg/ml (determined by Bradford assay)

### Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 30% glycerol, 0.15M NaCl, 1mM DTT

### Purity

> 90% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

HOMER3, also known as homer protein homolog 3, is a member of the HOMER family of postsynaptic density scaffolding proteins that share a similar domain structure consisting of an N-terminal Enabled/vasodilator-stimulated phosphoprotein homology 1 domain which mediates protein-protein interactions, and a carboxy-terminal coiled-coil domain and two leucine zipper motifs that are involved in self-oligomerization. Recombinant human HOMER3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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## Amino acid Sequence

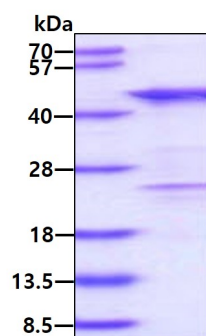
<MGSSHHHHH SSGLVPRGSH MGSHM>MSTAR EQPIFSTRAH VFQIDPATKR NWIPAGKHAL TVSYFYDATR  
NVYRIISIGG AKAIINSTVT PNMTFTKTSQ KFGQWADSRV NTVYGLGFAS EQHLTQFAEK FQEVKEAARL AREKSQDGGE  
LTSPALGLAS HQVPPSPLVS ANGPGEELF RSQSADAPGP TERERLKKML SEGSVGEVQW EAEFFALQDS NNKLAGALRE  
ANAAAAQWRQ QLEAQRAEAE RLRQRVAELE AQAASEVTPT GEKEGLGQGQ SLEQLEALVQ TKDQEIQTLK SQTGGPREAL  
EAAEREETQQ KVQDLETRNA ELEHQLRAME RSLEEARAER ERARA EVGRA AQLLDVSLFE LSELREGLAR LAEAAP

## General References

Xiao B., et al. (1998) Neuron. 21:707-716  
Mayya V., et al. (2009) Sci. Signal. 2:RA46-RA46

## DATA

### SDS-PAGE



3 $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.