

Recombinant human HOMER3 protein

Catalog Number: ATGP1548

PRODUCT INFORMATION

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

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

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

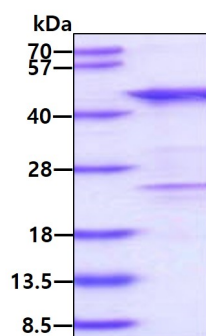
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LTSPALGLAS HQVPPSPLVS ANGPGEELKF RSQSADAPGP TERERLKKML SEGSGVEVQW EAEFFALQDS NNKLAGALRE
ANAAAAQWRQ QLEAQRAEAE RLRQRVAELE AQAASEVTPT GEKEGLGQQQ SLEQLEALVQ TKDQEIQTLK SQTGGPREAL
EAAEREETQQ KVQDLETRNA ELEHQLRAME RSLEEARAER ERARAEEVGRA AQLLDVSLFE LSELREGLAR 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



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.