Recombinant human HOMER2 protein

Catalog Number: ATGP1482

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-343aa

UniProt No.
Q9NSB8

NCBI Accession No.
NP_004830

Alternative Names
Homer protein homolog 2, ACPD, CPD, HOMER-2, VESL-2, Cupidin

PRODUCT SPECIFICATION

Molecular Weight
42.1 kDa (368aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

Purity
> 85% 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
Homer protein homolog 2, also known as HOMER2, is a member of the homer family of dendritic proteins. Homer family proteins are immediate early gene products that bind to group 1 metabotropic glutamate receptors (mGluRs), proteins involved in triggering intracellular calcium release. HOMER2 have also been shown to link mGluRs with the inositol triphosphate receptors (IP3R). Recombinant human HOMER2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

Recombinant human HOMER2 protein

Catalog Number: ATGP1482

Amino acid Sequence

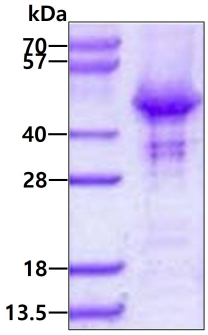
<MGSSHHHHHH SSGLVPRGSH MGSHM>MGEQP IFTTRAHVFQ IDPNTKKNWM PASKQAVTVS YFYDVTRNSY RIISVDGAKV IINSTITPNM TFTKTSQKFG QWADSRANTV FGLGFSSEQQ LTKFAEKFQE VKEAAKIAKD KTQEKIETSS NHSQASSVNG TDDEKASHAG PANTHLKSEN DKLKIALTQS AANVKKWEIE LQTLRESNAR LTTALQESAA SVEQWKRQFS ICRDENDRLR NKIDELEEQC SEINREKEKN TQLKRRIEEL EAELREKETE LKDLRKQSEI IPQLMSECEY VSEKLEAAER DNQNLEDKVR SLKTDIEESK YRQRHLKVEL KSFLEVLDGK IDDLHDFRRG LSKLGTDN

General References

Brakeman P R., et al. (1997) Nature. 386:284-288.
Tu J C., et al. (1998) Neuron. 21:717-726.

DATA

SDS-PAGE



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