

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.

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Amino acid Sequence

MGSSHHHHHH SSSLVPRGSH MGSMMGEQP IFTTRAHVQ IDPNTKKNWM PASKQAVTVS YFYDVTRNSY RIISVDGAKV
IINSTITPNM TFTKTSQKFG QWADSRANTV FGLGFSSEQQ LTKFAEKFE VKEAAKIAD KTQEKIETSS NHSQASSVNG
TDDEKASHAG PANTHLKSEN DKLKIALTQS AANVKKWEIE LQTLRESNAR LTTALQESAA SVEQWKRQFS ICRDENDRLR
NKIDEEEQC SEINREKEKN TQLKRRIEEL EAELEKETE LKDLRKQSEI IPQLMSECEY VSEKLEAER DNQNLEDKVR
SLKTDIEESK YRQRHLKVEL KSFLEVLDGK IDDLHDFRRG LSKLGTDN

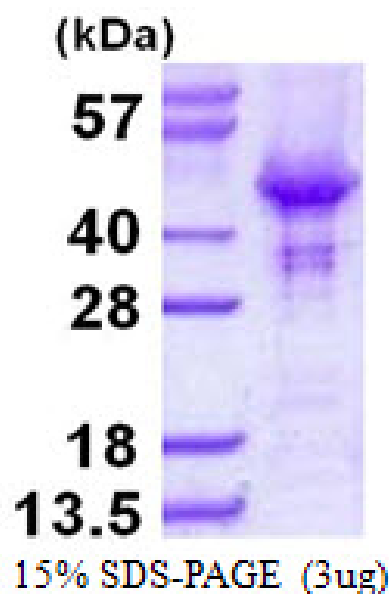
General References

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.