Recombinant human HOMER1 protein

Catalog Number: ATGP0313

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-354aa

UniProt No.
Q86YM7

NCBI Accession No.
NP_004263

Alternative Names
HOMER, Homer protein homolog 1, HOMER1, HOMER1A, HOMER1B, HOMER1C, Neuronal immediate early gene, SYN47, Ves 1

PRODUCT SPECIFICATION

Molecular Weight
44.5 kDa (391aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 30% glycerol, and 1mM DTT

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 1 (Homer protein homolog 1) belongs to Homer family of proteins that regulate signal transduction through, and the trafficking of, glutamate receptors, as well as maintain and regulate extracellular glutamate levels in corticolimbic brain regions. The Homer 1 is enriched at excitatory synapses and binds group 1 metabotropic glutamate receptors (mGluRs). Recombinant Homer 1 protein 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.

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Amino acid Sequence

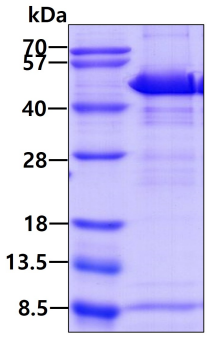
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General References

Szumlinski KK., et al. (2008) Biochem Pharmacol. 75(1):112-133.
Roche KW., et al. (1999) J Biol Chem. 274(36):25953-7.

DATA

SDS-PAGE



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