

## Recombinant Human HOMER1, His-tagged

**Cat. No.** HOMER1-28485TH    **Lot. No.** (See product label)

### SPECIFICATION

|                           |                                                                                                                                                         |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>   | Recombinant full length human Homer with N terminal His tag, amino acids 1-354 , 44.5kDa.                                                               |
| <b>Species</b>            | Human                                                                                                                                                   |
| <b>Source</b>             | E.coli                                                                                                                                                  |
| <b>ProteinLength</b>      | 1-354 a.a.                                                                                                                                              |
| <b>Description</b>        | This gene encodes a member of the homer family of dendritic proteins. Members of this family regulate group 1 metabotropic glutamate receptor function. |
| <b>Conjugation</b>        | HIS                                                                                                                                                     |
| <b>Form</b>               | Liquid                                                                                                                                                  |
| <b>Purity</b>             | >90% by SDS-PAGE                                                                                                                                        |
| <b>Storage buffer</b>     | Preservative: None<br>Constituents: 20% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, 1mM DTT, pH 8.0                                                  |
| <b>Storage</b>            | Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.                                                 |
| <b>Sequences of amino</b> | MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMGE QPIFSTRAHV                                                                                                  |

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**acids**

FQIDPNTKKN WVPTSKHAVT VSYFYDSTRN VYRIISLDGS KAIINSTITP  
 NMTFTKTSQK FGQWADSRAN TVYGLGFSSE HHLSKFAEKF QEFKEAARLA  
 KEKSQEKMEL TSTPSQESAG GDLQSPLTPE SINGTDDERT PDVTQNSEPR  
 AEPTQNALPF SHSSAISKHW EAELATLKGN NAKLTAALLE STANVKQWKQ  
 QLAAYQEEAE RLHKRVTELE CVSSQANAVH THKTELNQTI QELEETLKLK  
 EEEIERLKQE IDNARELQEQ RDSLTQKLQE VEIRNKDLEG QLSDLEQRLE  
 KSQNEQEAFR NNLKTLLEIL DGKIFELTEL RDNLAKLLEC S

**Sequence  
Similarities**

Belongs to the Homer family.Contains 1 WH1 domain.

**Full Length**

Full L.

**GENE INFORMATION**
**Gene Name**

[HOMER1](#) [homer homolog 1 \(Drosophila\)](#) [ [Homo sapiens](#) ]

**Official Symbol**

[HOMER1](#)

**Synonyms**

HOMER1; homer homolog 1 (Drosophila); homer protein homolog 1; HOMER 1B;  
 SYN47; Ves 1;

**Gene ID**

[9456](#)

**mRNA Refseq**

[NM\\_004272](#)

**Protein Refseq**

[NP\\_004263](#)

**MIM**

[604798](#)

**Uniprot ID**

[Q86YM7](#)

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|                        |                                                                                                 |
|------------------------|-------------------------------------------------------------------------------------------------|
| Chromosome<br>Location | 5q14.2                                                                                          |
| Pathway                | Glutamatergic synapse, organism-specific biosystem; Glutamatergic synapse, conserved biosystem; |

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