

Recombinant Human HOMER1, His-tagged

Cat. No. HOMER1-28509TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Homer fused to a 37 amino acid His Tag at N-terminus, 44.5kDa.
Species	Human
Source	E.coli
ProteinLength	354 amino acids
Description	This gene encodes a member of the homer family of dendritic proteins. Members of this family regulate group 1 metabotropic glutamate receptor function.
Conjugation	HIS
Molecular Weight	44.500kDa inclusive of tags
Form	Liquid
Purity	>90% by SDS-PAGE
Storage buffer	pH: 8.00 Constituents: 0.32% Tris HCl, 0.02% DTT, 0.58% Sodium chloride, 10% Glycerol
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze / thaw cycles.

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Sequences of amino acids

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMGE QPIFSTRAHV
 FQIDPNTKKN WVPTSKHAVT VSYFYDSTRN VYRIISLDGS
 KAIINSTITPNMTFTKTSQK FGQWADSRAN TVYGLGFSSE HHLSKFAEKF
 QEFKEARLA KEKSQEKMEL TSTPSQESAG GDLQSPLTPE SINGTDDERT
 PDVTQNSEPR AEPTQNALPF SHSSAISKHW EAELATLKGN NAKLTAALLE
 STANVKQWKQ QLAAYQEEAE RLHKRVTELE CVSSQANAVH THKTELNQTI
 QELEETLKLK EEEIERLKQE IDNARELQEQ RDSLTQKLQE VEIRNKDLEG
 QLSDLEQRLE KSQNEQEAFR NNLKTLEIL DGKIFELTEL RDNLAKLLEC S

Sequence Similarities

Belongs to the Homer family. Contains 1 WH1 domain.

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
Location**

5q14.2

Pathway

Glutamatergic synapse, organism-specific biosystem; Glutamatergic synapse, conserved biosystem;

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