

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: 8.00Constituents: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
 QEFKEAARLA KEKSQEKMEL TSTPSQESAG GDLQSPLTPE SINGTDDERT
 PDVTQNSEPR AEPTQNALPF SHSSAISKHW EAELATLKGN NAKLTAALLE
 STANVKQWKQ QLAAYQEEAE RLHKRVTELE CVSSQANAVH THKTELNQTI
 QELEETLKLK EEEIERLKQE IDNARELQEQ RDSLTQKLQE VEIRNKDLEG
 QLSDLQRLLE KSQNEQEAFF NNLKTLLLEIL 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

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