

Recombinant Human Homer Homolog 1, His-tagged

Cat. No. HOMER1-5027H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Homer 1 protein was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	Human
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).
Concentration	1 mg/ml
Form	Supplied as a liquid in 20mM Tris-HCl buffer, pH 8.0, containing 0.1M NaCl, 20% glycerol, and 1mM DTT.
Purity	> 90% by SDS - PAGE
Sequence	1-354 amino acids: MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMGE QPIFSTRAHV FQIDPNTKKN WVPTSKHAVT VSYFYDSTRN VYRIISLDGS KAIINSTITP NMTFTKTSQK FGQWADSRAN TVYGLGFSSE HHLSKFAEKF QEFKEAARLA KEKSQEKMEL TSTPSQESAG GDLQSPLTPE SINGTDDERT PDVTQNSEPR AEPTQNALPF SHSSA

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Molecular Mass	44.5 kDa (391 aa), confirmed by MALDI-TOF.
Applications	SDS-PAGE
Storage	Store at 4 deg C for short term storage (1/2 weeks). Aliquot and store at -20 deg C or - 70 deg C for long term storage. Avoid repeated freeze/thaw cycles.

GENE INFORMATION

Gene Name	HOMER1 homer homolog 1 (Drosophila) [Homo sapiens]
Official Symbol	HOMER1
Synonyms	HOMER1; homer homolog 1 (Drosophila); HOMER; SYN47; Ves-1; HOMER1A; HOMER1B; HOMER-1B; HOMER1C; HOMER1; Homer protein homolog 1; homer 1; OTTHUMP00000165782; homer, neuronal immediate early gene, 1
Gene ID	9456
mRNA Refseq	NM_004272
Protein Refseq	NP_004263
MIM	604798
UniProt ID	Q86YM7
Chromosome Location	5q14.2
Pathway	Glutamatergic synapse

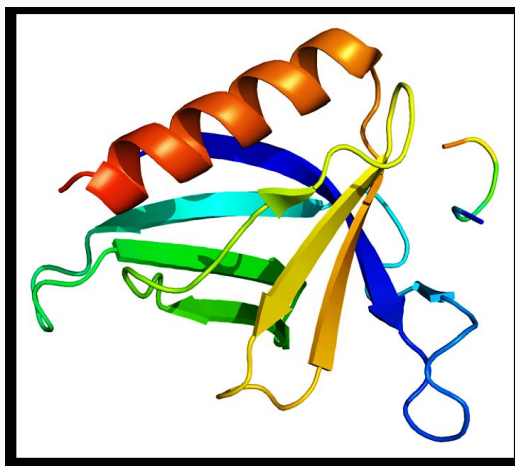
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Function protein binding

PDB rendering
based on 1ddv.



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