

Recombinant Human Homer Homolog 3 (Drosophila), His-tagged

Cat. No. HOMER3-67H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant humanHOMER3 protein, fused to His-tag at N-terminus, was expressed in E.coli andpurified by using conventional chromatography.
Species	Human
Source	E.coli
ProteinLength	1-361 aa
Description	HOMER3, also knownas homer protein homolog 3, is a member of the HOMER family of postsynapticdensity scaffolding proteins that share a similar domain structure consistingof an N-terminal Enabled/vasodilator-stimulated phosphoprotein homology 1domain which mediates protein-protein interactions, and a carboxy-terminalcoiled-coil domain and two leucine zipper motifs that are involved inself-oligomerization
Form	Liquid. 20mMTris-HCl buffer (pH8.0) containing 30% glycerol, 0.15M NaCl, 1mM DTT
Molecular Weight	42.5 kDa (386aa),confirmed by MALDI-TOF
Purity	> 90% by SDS -PAGE
Concentration	1 mg/ml (determinedby Bradford assay)
Sequences of	MGSSHHHHHHSSGLVPRGSH MGSMMSTAR EQPIFSTRAH VFQIDPATKR

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aminoacids

NWIPAGKHAL TVSYFYDATR NVYRIISIGGAKAIINSTVT PNMTFTKTSQ
 KFGQWADSRA NTVYGLGFAS EQHLTQFAEK FQEVKEAARL
 AREKSQDGGELTSPALGLAS HQVPPSPLVS ANGPGECKLF RSQSADAPGP
 TERERLKKML SEGSVGEVQW EAEFFALQDSNNKLAGALRE ANAAAAQWRQ
 QLEAQRAEAE RLRQRVAELE AQAASEVTPT GEKEGLGQGQ
 SLEQLEALVQTKDQEIQTLK SQTGGPREAL EAAEREETQQ KVQDLETRNA
 ELEHQLRAME RSLEEARAER ERARAEVGRAAQLLDVSLFE LSELREGLAR
 LAEAAP

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles

GENE INFORMATION
Gene Name

HOMER3homer homolog 3 (Drosophila) [Homo sapiens]

Official Symbol

HOMER3

Synonyms

HOMER3; homer homolog 3 (Drosophila);homer protein homolog 3; HOMER 3;
 HOME3_HUMAN; HOMER 3; Homer 3D protein;Homer homolog 3 (Drosophila);
 Homer neuronal immediate early gene 3; Homerprotein homolog 3; Homer-3;
 Homer3; VESL3; Homer, neuronal immediate earlygene, 3; VESL3; HOMER-3

Gene ID

9454

mRNA Refseq

NM_001145724

Protein Refseq

NP_001139196

MIM

604800

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Uniprot ID	Q9NSC5
Chromosome Location	19p13.1
Pathway	Glutamatergic synapse, organism-specific biosystem; Glutamatergic synapse, conserved biosystem; TCell Receptor Signaling Pathway, organism-specific biosystem
Function	protein C-terminus binding; proteinbinding; protein domain specific binding
Rendering based on PDB 2P8V.	