

Recombinant Human HOMER3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. HOMER3-2568H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HOMER3 MS Standard C13 and N15-labeled recombinant protein (NP_004829) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the HOMER family of postsynaptic density scaffolding proteins that share a similar domain structure consisting of an N-terminal Enabled/vasodilator-stimulated phosphoprotein homology 1 domain which mediates protein-protein interactions, and a carboxy-terminal coiled-coil domain and two leucine zipper motifs that are involved in self-oligomerization. The encoded protein binds numerous other proteins including group I metabotropic glutamate receptors, inositol 1,4,5-trisphosphate receptors and amyloid precursor proteins and has been implicated in diverse biological functions such as neuronal signaling, T-cell activation and trafficking of amyloid beta peptides. Alternative splicing results in multiple transcript variants.
Molecular Mass	39.9 kDa
AA Sequence	MSTAREQPIFSTRAHVVFQIDPATKRNWIPAGKHALTVSYFYDATRNVYRIISIGGAKAII NSTVTPNMTFTKTSQKFGQWADSRANTVYGLGFASEQHLTQFAEKFQEVKEAARL AREKSQDGGELTSPALGLASHQVPPSPLVSANGPGEEKLFRSQSADAPGPTERERL

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KKMLSEGSVGEVQWEAEFFALQDSNNKLAGALREANAAAAQWRQQLEAQRAEAE
 RLRQRVAELEAQAASEVTPPTGEKEGLGQQQSLEQLEALVQTKDQEIQTLKSQTGGP
 REALEAAEREETQQKVQDLETRNAELEHQLRAMERSLEEARAERERARAIEVGRAA
 QLLDVRLFELSELREGLARLAEAAPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name HOMER3 homer scaffold protein 3 [Homo sapiens (human)]

Official Symbol HOMER3

Synonyms HOMER3; homer homolog 3 (Drosophila); homer protein homolog 3; HOMER 3; Homer, neuronal immediate early gene, 3; VESL3; HOMER-3;

Gene ID 9454

mRNA Refseq NM_004838

Protein Refseq NP_004829

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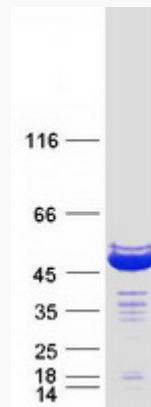
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MIM 604800

UniProt ID Q9NSC5

SDS-PAGE



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