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

Cat. No. HOMER3-247H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	HOMER3 MS Standard C13 and N15-labeled recombinant protein (NP_001139196) 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. [provided by RefSeq, Mar 2009]
Molecular Mass	35.8 kDa
AA Sequence	MSTAREQPIFSTRAHVFQIDPATKRNWIPAGKHALTVSYFYDATRNVYRIISIGGAKAII NSTVTPNMTFTKTSQKFGQWADSRANTVYGLGFASEQHLTQVPPSPLVSANGPGE EKLFRSQSADAPGPTERERLKKMLSEGSVGEVQWEAEFFALQDSNNKLAGALREA

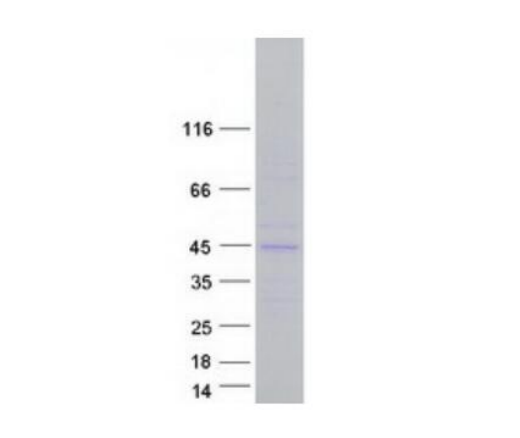
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	NAAAAQWRQQLEAQRAEAERLRQRVAELEAQAASEVTPTGEKEGLGQGQSLEQLE ALVQTKDQEIQTLKSQTGGPREALEAAEREETQQKVQDLETRNAELEHQLRAMERS LEEARAERERARAEVGRAAQLLDVSLFELSELREGLARLAEAAPTRTRPLEQKLISEE DLAANDILDYKDDDDKV
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 homolog 3 (Drosophila) [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_001145724
Protein Refseq	NP_001139196

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MIM	604800
UniProt ID	Q9NSC5
SDS-PAGE	

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