

Recombinant Full Length Human HOMER3 Protein, GST-tagged

Cat. No. HOMER3-3692HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human HOMER3 full-length ORF (NP_004829.2, 1 a.a. - 361 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	361 amino acids
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	66.3 kDa
AA Sequence	MSTAREQPIFSTRAHVFQIDPATKRNWIPAGKHALTVSYFYDATRNVYRIISIGGAKAII NSTVTPNMTFTKTSQKFGQWADSRANTVYGLGFASEQHLTQFAEKFQEVKEAARL

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AREKSQDGGELTSPALGLASHQVPPSPLVSANGPGEEKLFERSQSADAPGPTERERL
 KKMLSEGSVGEVQWEAEFFALQDSNNKLAGALREANAAAAQWRQQLEAQRAEAE
 RLRQRVAELEAQAASEVTPTEGEKEGLGQGSLEQLEALVQTKDQEIQTLKSQTGGP
 REALEAAEREETQQKVQDLETRNAELEHQLRAMERSLEEARAERERARAEVGRAA
 QLLDVRLFELSELREGLARLAEAAP

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

HOMER3 homer homolog 3 (Drosophila) [Homo sapiens]

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_001145721

Protein Refseq

NP_001139193

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MIM	604800
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UniProt ID	Q9NSC5
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