

Product datasheet for PH326668

HOMER3 (NM_001145722) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HOMER3 MS Standard C13 and N15-labeled recombinant protein (NP_001139194)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC226668
Predicted MW:	39.9 kDa
Protein Sequence:	>RC226668 protein sequence Red=Cloning site Green=Tags(s)

MSTAREQPIFSTRAHVFQIDPATKRNWIPAGKHALTVSYFYDATRNVYRIISIGGAKAIINSTVTPNMTF
TKTSQKFGQWADSRANTVYGLGFASEQHLTQFAEKFQEVKEAARLAREKSQDGGELTSPALGLASHQVPP
SPLVYANGPGEEKLFRSQSADAPGPTERERLKKMLSEGSVGEVQWEAEFFALQDSNNKLAGALREANAAA
AQWRQLEAQRAEAERLRQVVAELEAQAASEVPTPTGEKEGLGQGQSLQLEALVQTKDQEIQTLSQTTGG
PREALEAAEREETQQKVQDLETRNAELEHQLRAMERSLEEARAERERARAEEVGRAAQLLDVRLFELSELR
EGLARLAEAAP

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_001139194
RefSeq Size:	1859
RefSeq ORF:	1083
Synonyms:	HOMER-3; VESL3
Locus ID:	9454



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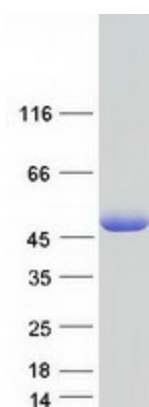
UniProt ID: [Q9NSC5](#)

Cytogenetics: 19p13.11

Summary: 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]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified HOMER3 protein (Cat# [TP326668]). The protein was produced from HEK293T cells transfected with HOMER3 cDNA clone (Cat# [RC226668]) using MegaTran 2.0 (Cat# [TT210002]).