

Product datasheet for **TP326721M**

HOMER3 (NM_001145724) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Purified recombinant protein of Homo sapiens homer homolog 3 (Drosophila) (HOMER3), transcript variant 4, 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC226721 representing NM_001145724
Red=Cloning site **Green**=Tags(s)

MSTAREQPIFSTRAHVVFQIDPATKRNWIPAGKHALTVSYFYDATRNVYRIISIGGAKAIINSTVTPNMTF
TKTSQKFGQWADSRANTVYGLGFASEQHLTQVPPSPLVSANGPGEEKLFRSQSADAPGPTERERLKKMLS
EGSVGEVQWEAEFFALQDSNNKLAGALREANAAAAQWRQQLEAQRAEAERLRQVAEQAASEVTPTG
EKEGLGQQSLEQLEALVQTKDQEIQTLSQTGGPREALEAEREETQQKVQDLETRNAELEHQLRAMER
SLEEARAERERARAEEVGRAAQLLDVSLFELSELREGLARLAEAAP

TRTRPLE**QKLISEEDLAANDILDYKDDDDK**V

Tag: C-Myc/DDK

Predicted MW: 35.8 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

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

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_001139196](#)

Locus ID: 9454



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UniProt ID: [Q9NSC5](#)

Cytogenetics: 19p13.11

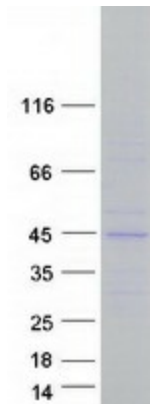
RefSeq ORF: 975

Synonyms: HOMER-3; VESL3

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# [TP326721]). The protein was produced from HEK293T cells transfected with HOMER3 cDNA clone (Cat# [RC226721]) using MegaTran 2.0 (Cat# [TT210002]).