

## Product datasheet for **TP326721L**

### **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, 1 mg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC226721 representing NM\_001145724  
**Red**=Cloning site **Green**=Tags(s)

MSTAREQPIFSTRAHVVFQIDPATKRNWIPAGKHALTVSYFYDATRNVYRIISIGGAKAIINSTVTPNMTF  
TKTSQKFGQWADSRANTVYGLGFASEQHLTQVPPSPLVSANGPGEEKLFRSQSADAPGPTERERLKKMLS  
EGSVGEVQWEAEFFALQDSNNKLAGALREANAAAAQWRQQLEAQRAEAERLRQVAELEAQAASEVTPTG  
EKEGLGQQQSLEQLEALVQTKDQEIQTLSQTGGPREALEAAEREETQQKVQDLETRNAELEHQLRAMER  
SLEEARAERERARAEEVGRAAQLLDVSLFELSELREGLARLAEAAP

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**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



[View online »](#)

UniProt ID: [Q9NSC5](#)

Cytogenetics: 19p13.11

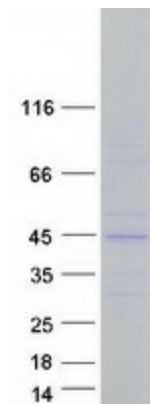
RefSeq ORF: 975

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]).