

Product datasheet for RC226650

HOMER3 (NM_001145721) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HOMER3 (NM_001145721) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HOMER3
Synonyms:	HOMER-3; VESL3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC226650 representing NM_001145721 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGTCCACAGCCAGGGAGCAGCCAATCTTCAGCACACGGGCGCACGTGTTCCAAATTGACCCAGCCACCA
AGCGAACTGGATCCCAGCGGGCAAGCACGCACTACTGTCTCTATTTCTACGATGCCACCCGCAATGT
GTACCGCATCATCAGCATCGGAGGCGCCAAGGCCATCATCAACAGCACTGTCACTCCCAACATGACCTTC
ACCAAACTTCCCAGAAGTTCGGGCAGTGGGCCGACAGTCGCGCCAACACAGTCTACGGCCTGGGCTTTG
CCTCTGAACAGCATCTGACACAGTTTGCCGAGAAGTTCAGGAAGTGAAGGAAGCAGCCAGGCTGGCCAG
GGAGAAATCTCAGGATGGCGGGGAGCTCACCAGTCCAGCCCTGGGGCTCGCCTCCCACCAGGTGCCCCCG
AGCCCTCTCGTCAGTGCCAACGGCCCGGCGAGGAAAACTGTTCCGCAGCCAGAGCGCTGATGCCCCCG
GCCCCACAGAGCGCGAGCGGCTAAAGAAGATGTTGTCTGAGGGCTCCGTGGGCGAGGTACAGTGGGAGGC
CGAGTTTTTTCGCACTGCAGGACAGCAACAAGCTGGCAGGCGCCCTGCGAGAGGCCAACCGCCGCGCA
GCCAGTGGAGGCAGCAGCTGGAGGCTCAGCGTGCAGAGGCCGAGCGGCTGCGGCAGCGGTTGGCTGAGC
TGGAGGCTCAGGCAGCTTCAAGGTGACCCCAACGGTGAAGAGGAGGGGCTGGCCAGGGCCAGTCGCT
GGAACAGCTGGAAGCTCTGGTGCAAACCAAGGACCAGGAGATTCAGACCTGAAGAGTCAGACTGGGGGG
CCCCGCGAGGCCCTGGAGGCTGCCGAGCGTGAGGAGACTCAGCAGAAGGTGCAGACCCGCAATGCGGAGT
TGGAGCACAGCTGCGGGCGATGGAGCGCAGCCTGGAGGAGGCACGGGCAGAGCGGGAGCGGGCGCGGGC
TGAGGTGGCCGCGCAGCGCAGCTGCTGGACGTACGCTGTTTGTGAGCTGAGTGCAGTGCAGTGCAGTGC
GCCCGCTGGCTGAGGCTGCGCCC

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001145721.1](#), [NP_001139193.1](#)

RefSeq ORF: 1077 bp

Locus ID: 9454

UniProt ID: [Q9NSC5](#)

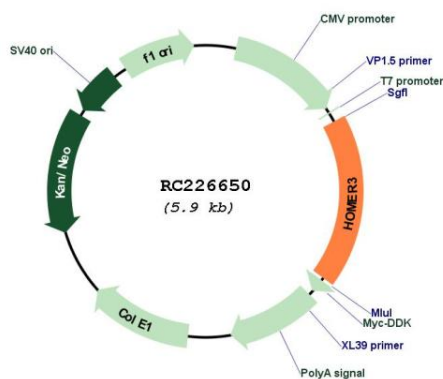
Cytogenetics: 19p13.11

Protein Families: Druggable Genome

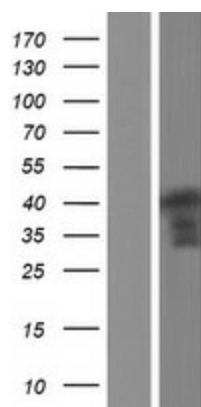
MW: 39.3 kDa

Gene 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]

Product images:



Circular map for RC226650



Western blot validation of overexpression lysate (Cat# [LY428985]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC226650 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).