

**AR50372PU-N****Human HOMER3 (1-361, His-tag) - Purified**

<b>Alternate names:</b>	Homer protein homolog 3, Homer-3
<b>Quantity:</b>	0.5 mg
<b>Concentration:</b>	1 mg/ml (determined by Bradford assay)
<b>Background:</b>	HOMER3, also known as homer protein homolog 3, is 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.
<b>Uniprot ID:</b>	<a href="#">Q9NSC5</a>
<b>NCBI:</b>	<a href="#">NP_001139194.1</a>
<b>GeneID:</b>	<a href="#">9454</a>
<b>Species:</b>	Human
<b>Source:</b>	E. coli
<b>Format:</b>	<b>State:</b> Liquid purified protein <b>Purity:</b> >90% by SDS - PAGE <b>Buffer System:</b> 20 mM Tris-HCl buffer (pH8.0) containing 30% glycerol, 0.15M NaCl, 1mM DTT
<b>Description:</b>	Recombinant human HOMER3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. <b>AA Sequence:</b> MGSSHHHHH SSGLVPRGSH MGSMMSTAR EQPIFSTRAH VFQIDPATKR NWIPAGKHAL TVSYFYDATR NVYRIISIGG AKAIINSTVT PNMTFTKTSQ KFGQWADSR A NTVYGLGFAS EQHLTQFAEK FQEVKEAARL AREKSQDGG E LTSPALGLAS HQVPPSPLVS ANGPGEKLF RSQSADAPGP TERERLKKML SEGSVGEVQW EAEFFALQDS NNKLAGALRE ANAAAAQWRQ QLEAQRAEAE RLRQRVAELE AQAASEVTPT GEKEGLGQGG SLEQLEALVQ TKDQEIQTLK SQTGGPREAL EAAEREETQQ KVQDLETRNA ELEHQLRAME RSLEEARAER ERARA EVGRA AQLLDVSLFE LSELREGLAR LAEAAP <b>Molecular weight:</b> 42.5 kDa (386aa), confirmed by MALDI-TOF
<b>Storage:</b>	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General Readings:</b>	Xiao B., et al. (1998) Neuron. 21:707-716 Mayya V., et al. (2009) Sci. Signal. 2:RA46-RA46

Pictures:

