

**HOMER3, 1-361aa, Human, His tag, E.coli**

**Cat.NO.: TP02484**

3th Edition

**Synonyms:**Homer protein homolog 3, HOMER-3, VESL3.

**Description:**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.

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 30% glycerol, 0.15M NaCl, 1mM DTT

**Molecular Weight:**42.5 kDa (386aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSHMMSTAREQPIFSTRAHVFQIDPATKRNWIPAGKHALTVSYFYDATRNVYRII  
SIGGAKAIINSTVTPNMTFTKTSQKFGQWADSRANTVYGLGFASEQHLTQFAEKFQEVKEAARLAREKSQDGGELT  
SPALGLASHQVPPSPLVSANGPGEEKLFRSQSADAPGPTERERLKKMLSEGSVGEVQWEAEFFALQDSNNKLAG  
ALREANAAAQWRQQLEAQRAEAERLRQRVAELEAQAASEVTPTGEKEGLGQQSLEQLEALVQTKDQEIQTLKS  
QTGGPREALEAEREETQQKVQDLETRNAELEHQLRAMERSLEEARAERERARAEEVGRAAQLLDVSLFELSELRE  
GLARLAEAAP

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.