

**HOMER2, 1-343aa, Human, His tag, E.coli**

**Cat.NO.: TP02483**

3th Edition

**Synonyms:**Homer protein homolog 2, ACPD, CPD, HOMER-2, VESL-2, Cupidin.

**Description:**Homer protein homolog 2, also known as HOMER2, is a member of the homer family of dendritic proteins. Homer family proteins are immediate early gene products that bind to group 1 metabotropic glutamate receptors (mGluRs), proteins involved in triggering intracellular calcium release. HOMER2 have also been shown to link mGluRs with the inositol triphosphate receptors (IP3R)

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

**Molecular Weight:**42.1 kDa (368aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSHMMGEQPIFTTRAHVVFQIDPNTKKNWMPASKQAVTVSYFYDVTRNSYRIISV  
DGAKVIINSTITPNMTFTKTSQKFGQWADSRANTVFGLGFSSEQQLTKFAEKQEVKEAAKIAKDKTQEKIETSSNH  
SQASSVNGTDDEKASHAGPANTHLKSENDKLIKIALTQSAANVKKWEIELQTLRESNARLTTALQESAASVEQWKRO  
FSICRDENDRLRNKIDEELEEQCSEINREKEKNTQLKRRIEELEAELREKETELKDLRKQSEIIPQLMSECEYVSEKLEA  
AERDNQNLEDKVRSLKTDIEESKYRQRHLKVELKSFLEVLDGKIDDLHDFRRGLSKLGTDN

**Purity:**> 95% by HPLC

**Concentration:**0.5 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.