

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:

MGSSHHHHHHSSGLVPRGSHMGSHMMGEQPIFTTRAHV FQIDPNTKKNWMPASKQAVTVSYFYDVTRNSYRIISV
DGAKVIINSTITPNMTFTKTSQKFGQWADSRANTVFGLGFSSEQQLTKFAEK FQEVKEAAKIAKDKTQEKIETSSNH
SQASSVNGTDDEKASHAGPANTHLKSENDKLKIALTQSAANVKKWEIELQTLRESNARLTTALQESAASVEQWK RQ
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.