

## 32-3986: HOMER2 Recombinant Protein

**Alternative Name :** Homer homolog 2 (Drosophila), homer neuronal immediate early gene 2, homer homolog 3, HOMER-2 (2A/2B), Vesl-2, ACPD, Cupidin, CPD.

### Description

Source : E.coli. HOMER2 Human Recombinant produced in E. coli is a single polypeptide chain containing 368 amino acids (1-343) and having a molecular mass of 42.1kDa. HOMER2 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. HOMER2 belongs to the homer family of dendritic proteins which are immediate early gene products who bind to group 1 metabotropic glutamate receptors (mGluRs), proteins associated to triggering intracellular calcium release. Additionally, HOMER2 connect mGluRs to the inositol triphosphate receptors (IP3R).

### Product Info

**Amount :** 10 µg

**Purification :** Greater than 85% as determined by SDS-PAGE.

**Content :** The HOMER2 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 1mM DTT and 10% glycerol.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSMMGEQP IFTTRAHV FQ IDPNTKKNWM PASKQAVTVS  
YFYDVTRNSY RIISVDGAKV IINSTITPNM TFTKTSQKFG QWADSRANTV FGLGFSSEQQ LTKFAEKFQE  
VKEAAKIAKD KTQEKIETSS NHSQASSVNG TDDEKASHAG PANTHLKSEN DKLKIALTQS AANVKKWEIE  
LQTLRESNAR LTTALQESAA SVEQWKQFQS ICRDENDRLR NKIDEELEEQC SEINREKEKN TQLKRRIEEL  
EAELEKETE LKDLRKQSEI IPQLMSECEY VSEKLEAAER DNQNLEDKVR SLKTDIEESK YRQRHLKVEL  
KSFLEVLDGK IDDLHDFRRG LSKLGTDN

