
Product Data Sheet

Product Name: HOMER2 Human
 Cat. No.: GP23669
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Homer homolog 2 (Drosophila); homer neuronal immediate early gene 2; homer homolog 3; HOMER-2 (2A/2B); Vesl-2; ACPD; Cupidin; CPD.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMMGEQP IFTTRAHVVFQ IDPNTKKNWM PASKQAVTVS YFYDVTRNSY RIISVDGAKV IINSTITPNM TFTKTSQKFG QWADSRANTV FGLGFSSEQQ LTKFAEKFQE VKEAAKIAKD KTQEKIETSS NHSQASSVNG TDDEKASHAG PANTHLKSEN DKLKIALTQS AANVKKWEIE LQTLRESNAR LTTALQESAA SVEQWKRQFS ICRDENDRLR NKIDELEEQC SEINREKEKN TQLKRRIEEL EAELREKETE LKDLRKQSEI IPQLMSECEY VSEKLEAAER DNQNLEDKVR SLKTDIEESK YRQRHLKVEL KSFLEVLDGK IDDLHDFRRG LSKLGTDN		
Formulation	The HOMER2 solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl, 1mM DTT and 10% glycerol.		

Introduction

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).

Stability

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.

Background

HOMER2 Human Recombinant produced in E. coli is a single polypeptide chain

Caution: Product has not been fully validated for medical applications. For research use only.

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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.

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