
Product Data Sheet

Product Name: HOMER1 Human
 Cat. No.: GP23668
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	HOMER; SYN47; Ves-1; HOMER1A; HOMER1B; HOMER1C; HOMER1; Homer protein homolog 1.		
Amino Acid Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMGE QPIFSTRAHV FQIDPNTKKN WVPTSKHAVT VSYFYDSTRN VYRIISLDGS KAIINSTITPNMTFTKTSQK FGQWADSRAN TVYGLGFSSE HHLKFAEFK QEFKEAARLA KEKSQEKMEL TSTPSQESAG GDLQSPLTPE SINGTDDERT PDVTQNSEPR AEPTQNALPF SHSSAISKHW EAELATLKGN NAKLTAALLE STANVKQWKQ QLAAYQEEAE RLHKRVTELE CVSSQANAVH THKTELNQTI QELEETLKLK EEEIERLKQE IDNARELQEQ RDSLTQKLQE VEIRNKDLEG QLSDLEQRLE KSQNEQEAFR NNLKTLLEIL DGKIFELTEL RDNLAKLLEC S.		
Formulation	The HOMER1 protein (1mg/ml) contains 20mM Tris-HCl buffer pH-8, 1mM DTT, 0.1M NaCl and 20% glycerol.		

Introduction

HOMER1 takes part in determining the apoptotic susceptibility to TRAIL. HOMER1 is a member of the Homer family of proteins that regulate signal transduction through, and the trafficking of, glutamate receptors, plus maintain and regulate extracellular glutamate levels in corticolimbic brain regions. The HOMER1 is enriched at excitatory synapses and binds group 1 metabotropic glutamate receptors (mGluRs).

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

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

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Recombinant Human HOMER1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 391 amino acids (1-354 a.a) and having a molecular mass of 44.5 kDa. HOMER1 is fused to a 37 amino acid His Tag at N-terminus and purified by proprietary chromatographic techniques.

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