



RayBiotech, Inc.

3607 Parkway Lane suite 200
Norcross, GA 30092
Tel: 770-729-2992, 1-888-494-8555
Fax: 770-206-2393
Website: www.raybiotech.com
Email: info@raybiotech.com

Certificate of Analysis and Data Sheet Recombinant Human Homer Homolog-1

Catalog No.
228-10773

Source:
Escherichia Coli

Synonyms

HOMER, SYN47, Ves-1, HOMER1A, HOMER1B, HOMER1C, HOMER1, Homer protein homolog 1.

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).

Description

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.

Physical Appearance

Sterile filtered colorless solution.

Formulation

The HOMER1 protein contains 20mM Tris-HCl buffer pH-8, 1mM DTT, 0.1M NaCl and 10% glycerol.

Purity

Greater than 90% as determined by analysis by SDS-PAGE.

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).

Please prevent freeze-thaw cycles.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Amino acid sequence

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMGE QPIFSTRAHV
FQIDPNTKKN WVPTSKHAVT VSYFYDSTRN VYRIISLDGS KAIINSTITP
NMTFTKTSQK FGQWADSRAN TVYGLGFSSE HHLSKFAEKF 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.

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