

Homer 1 recombinant protein

Homer 1, 1- 354aa, Human, His tag, E Coli

CATALOG # AAA48533	HOST E Coli	APPLICATIONS SDS-Page
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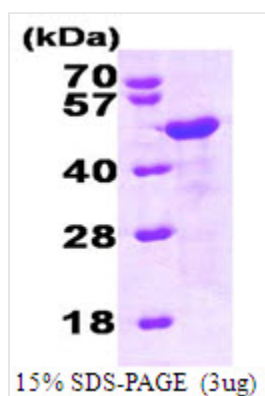
PRODUCT SYNONYMS

Homer 1; 1- 354aa; Human; His tag; E Coli; Homer protein homolog 1; HOMER; HOMER1A; HOMER1B; HOMER1C; SYN47; Homer protein homolog 1 HOMER 1A; HOMER 1B; HOMER 1C; Homer; neuronal immediate early gene; 1; HOMER1; Ves 1; ; Homer 1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 0.1M NaCl 20% glycerol, and 1 mM DTT
Concentration	1.0 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSHMGE QPIFSTRAHV FQIDPNTKKK WVPTSKHAVT VSYFYDSTRN VYRIISLDGS KAIINSTITP NMTFTKTSQK FGQWADSRAN TVYGLGFSSE HHLSKFAEKF QEFKEAARLA KEKSQEKMEI TSTPSQESAG GDLQSPLTPE SINGTDDERT PDVTQNSEPR AEPTQNALPF SHSSAISKHW EAEATLKGN NAKLTAALLE STANVKQWKQ QLAAYQEEAE RLHKRVTELE CVSSQANAVH THKTELNQT I QELEETLKLK EEEIERLKQE IDNARELQEQ RDSLTQKLQE VEIRNKDLEG QLSDLEQRLE KSQNEQEAFR NNLKTLLEIL DGKIFELTEL RDNLAKLLEC S
Sequence Length	354
Applicable Applications for Homer 1 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Homer 1 recombinant protein	Homer 1 (Homer protein homolog 1) belongs to Homer family of proteins that regulate signal transduction through, and the trafficking of, glutamate receptors, as well as maintain and regulate extracellular glutamate levels in corticolimbic brain regions. The Homer 1 is enriched at excitatory synapses and binds group 1 metabotropic glutamate receptors (mGluRs). Recombinant Homer 1 protein was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for Homer 1 recombinant protein	Signal Transduction
References	Szumliński KK., et al. (2008) Biochem Pharmacol. 75 (1):112-133.; Roche KW., et al. (1999) J Biol Chem. 274 (36):25953-7.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4759198
NCBI GeneID	9456
NCBI Accession #	NP_004263
NCBI GenBank Nucleotide #	NM_004272.4
UniProt Accession #	Q86YM7; O96003; Q86YM5; B2R688
Molecular Weight	44.5 kDa (391 aa), confirmed by MALDI-TOF.
NCBI Official Full Name	homer protein homolog 1 isoform 1
NCBI Official Synonym Full Names	homer scaffolding protein 1
NCBI Official Symbol	HOMER1
NCBI Official Synonym Symbols	HOMER; SYN47; Ves-1; HOMER1A; HOMER1B; HOMER1C
NCBI Protein Information	homer protein homolog 1
UniProt Protein Name	Homer protein homolog 1
UniProt Gene Name	HOMER1
UniProt Synonym Gene Names	SYN47; Homer-1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.