

Homer 1, 1- 354 aa, Human, His-tagged, Recombinant, E.coli

Cat.NO.: TP02482

3th Edition

Synonyms:Homer protein homolog 1, HOMER, HOMER1A, HOMER1B, HOMER1C, SYN47

Description: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).

Form:Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 0.1M NaCl 20% glycerol, and 1 mM DTT

Molecular Weight:44.5 kDa (391 aa)

Sequences:

MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSHMGEQPIFSTRAHVFQIDPNTKKNWVPTSKHAVTVS
YFYDSTRNVYRIISLDGSKAIINSTITPNMTFTKTSQKFGQWADSRANTVYGLGFSSEHHLSKFAEKFAQEFKEAARLA
KEKSQEKMELTSTPSQESAGGDLQSPLTPESINGTDDERTPDVTQNSEPRAEPTQNALPFSHSSAISKHWEAELAT
LKGNNAKLTAALLESTANVKQWKQQLAAYQEEAERLHKRVTELECVSSQANAVHTHKTELNQTIQEELEETLKLKEE
EIERLKQEIDNARELQEQRDSLTKLQVEVEIRNKDLEGQLSDLEQRLEKSQNEQEAFRNNLKTLLILDGKIFELTEL
RDNLAKLLECS

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.