
Product Data Sheet

Product Name: HOMER3 Human
 Cat. No.: GP23670
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Homer homolog 3 (Drosophila)1 2 ; HOMER-31 2 ; homer protein homolog 32 ; Homer neuronal immediate early gene 32; Homer-33; VESL32.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMMSTAR EQPIFSTRAH VFQIDPATKR NWIPAGKHAL TVSYFYDATR NVYRIISIGG AKAIINSTVT PNMTFTKTSQ KFGQWADSRA NTVYGLGFAS EQHLTQFAEK FQEVKEAARL AREKSQDGGG LTSPALGLAS HQVPPSPLVS ANGPGEELF RSQSADAPGP TERERLKKML SEGSVGEVQW EAEFFALQDS NNKLAGALRE ANAAAAQWRQ QLEAQRAEAE RLRQRVAELE AQAASEVTPT GEKEGLGQGQ SLEQLEALVQ TKDQEIQTLK SQTGGPREAL EAAEREETQQ KVQDLETRNA ELEHQLRAME RSLEEARAER ERARAEVGRA AQLLDVSLFE LSELREGLAR LAEAAP		
Formulation	The HOMER3 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 150mM NaCl, 1mM DTT and 30% glycerol.		

Introduction

HOMER3 belongs to the HOMER family of postsynaptic density scaffolding proteins which have an analogous domain structure consisting of an N-terminal Enabled/vasodilator-stimulated phosphoprotein homology 1 domain that facilitates protein-protein relations, and two leucine zipper and a carboxy-terminal coiled-coil domain motifs which take part in self-oligomerization.

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.

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

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Background

HOMER3 Human Recombinant produced in *E. coli* is a single polypeptide chain containing 386 amino acids (1-361) and having a molecular mass of 42.5kDa. HOMER3 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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