

Datasheet for ABIN7560316  
**HOMER3 Protein (AA 1-356) (His tag)**



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## Overview

Quantity:	1 mg
Target:	HOMER3
Protein Characteristics:	AA 1-356
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HOMER3 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Homer3 Protein expressed in mammalian cells.
Sequence:	MSTAREQPIF STRAHVFQID PTTKRNWIPA GKHALTVSYF YDATRNVYRI ISIGGAKAII NSTVTPNMTF TKTSQKFGQW ADSRANTVYG LGFASEQQLT QFAEKFQEVK EAARLAREKS QDGGFTSTG LALASHQVPP SPLVSTNGPG EEKLFRSQSA DTPGPTERER LKKMLSEGSV GEVQWEAEFF ALQDSNQRLA GALREANAAA TQWRQQLEVQ RAEAE LLRQR VAELEAQVAV EPVRAGEKEA TSQSVEQLEA RVQTKDQTLK NQSTGTREAP DTAEREETQQ QVQDLETRNA ELEQQLRSME CNLEEARAER ERARA EVGRA AQLLDVRLFE LSELREGLAR LAEAAP <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

## Product Details

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- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

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## Target Details

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Target:	HOMER3
Alternative Name:	Homer3 ( <a href="#">HOMER3 Products</a> )
Background:	<p>Homer protein homolog 3 (Homer-3),FUNCTION: Postsynaptic density scaffolding protein. Binds and cross-links cytoplasmic regions of GRM1, GRM5, ITPR1, DNM3, RYR1, RYR2, SHANK1 and SHANK3. By physically linking GRM1 and GRM5 with ER-associated ITPR1 receptors, it aids the coupling of surface receptors to intracellular calcium release. Isoforms can be differently regulated and may play an important role in maintaining the plasticity at glutamatergic synapses (By similarity). Negatively regulates T cell activation by inhibiting the calcineurin-NFAT pathway. Acts by competing with calcineurin/PPP3CA for NFAT protein binding, hence preventing NFAT activation by PPP3CA (PubMed:18218901).</p> <p>{ECO:0000250 UniProtKB:Q9NSC5, ECO:0000269 PubMed:18218901}.</p>
Molecular Weight:	39.7 kDa
UniProt:	<a href="#">Q99JP6</a>

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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