

Product datasheet for TP517093

Homer2 (NM_011983) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse homer scaffolding protein 2 (Homer2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR217093 representing NM_011983 Red =Cloning site Green =Tags(s)

MGEQPIFTTRAHVVFQIDPSTKKNWVPASKQAVTVSYFYDVTRNSYRIISVDGAKVIINSTITPNMTFTKT
SQKFGQWADSRANTVFGGLGFSSSELQLTKFAEKQEVREARLARDKSQEKTTSSNHSQESGCETPSSTQ
ASSVNGTDDDEKASHASPADTHLKSENDKLIKALQSAANVKKWEMELQTLRESNARLTALQESAASVEQ
WKRQFSICRDENDRLRSKIEELEEQCSEINREKEKNTQLKRRIEELESEVRDKEMELKDLRKQSEIIPQL
MSECEYVSEKLEAAERDNQNLEDKVRSLKTDIEESKYRQRHLKGELKSFLEVLDGKIDDLHDFRRGLSKL
GTDN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	41 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_036113
Locus ID:	26557
UniProt ID:	Q9QWW1



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RefSeq Size: 10999

Cytogenetics: 7 D3

RefSeq ORF: 1062

Synonyms: 9330120H11Rik; AW539445; CPD; Vesl-2

Summary: Postsynaptic density scaffolding protein. Binds and cross-links cytoplasmic regions of GRM1, GRM5, ITPR1, DNMT3, 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. May also couple GRM1 to PI3 kinase through its interaction with AGAP2 (By similarity). Isoforms can be differently regulated and may play an important role in maintaining the plasticity at glutamatergic synapses (By similarity) Required for normal hearing (PubMed:25816005). 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 (By similarity).[UniProtKB/Swiss-Prot Function]