

Recombinant Human homer homolog 2 (Drosophila) Protein, His tagged

Cat. No. HOMER2-50H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human HOMER2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-343aa
Description	This gene encodes a member of the homer family of dendritic proteins. Members of this family regulate group 1 metabotropic glutamate receptor function. The encoded protein is a postsynaptic density scaffolding protein. Alternative splicing results in multiple transcript variants. Two related pseudogenes have been identified on chromosome 14.
Tag	N-His
Form	Liquid
Molecular Mass	42.1 kDa
AA Sequence	MGSSHHHHHHSSGLVPRGSHMGSHMMGEQPIFTTRAHVFQIDPNTKKNWMPASK QAVTVSYFYDVTRNSYRIISVDGAKVIINSTITPNMTFTKTSQKFGQWADSRANTVFG LGFSSSEQQLTKFAEKFQEVKEAAKIAKDKTQEKIETSSNHSQASSVNGTDDEKASHA

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GPANTHLKSENDKLKIALTQSAANVKKWEIELQTLRESNARLTTALQESAASVEQWK
RQFSICRDENDRLRNKIDEEQCSEINREKEKNTQLKRRIEELEAELREKETELKDL
RKQSEIIPQLMSECEYVSEKLEAAERDNQNLEDKVRSLKTDIEESKYRQRHLKVELK
SFLEVLDGKIDDLHDFRRGLSKLGTDN

Purity > 85% by SDS-PAGE

Applications SDS-PAGE

Storage Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/mL (determined by Bradford assay)

Storage Buffer 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

Notes For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

References
1. Brakeman P R., et al. (1997) Nature. 386:284-288.
2. Tu J C., et al. (1998) Neuron. 21:717-726.

GENE INFORMATION

Gene Name HOMER2 homer homolog 2 (Drosophila) [Homo sapiens (human)]

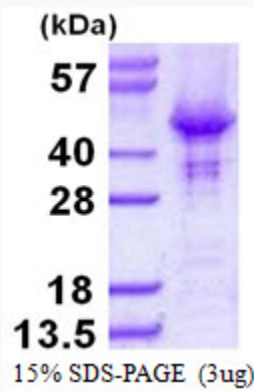
Official Symbol HOMER2

Synonyms HOMER2; homer homolog 2 (Drosophila); homer protein homolog 2; CPD; Cupidin; HOMER 2; HOMER 2A; HOMER 2B; Vesl 2; cupidin; homer homolog 3; homer, neuronal immediate early gene, 2; ACPD; VESL-2; HOMER-2;

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Gene ID	9455
mRNA Refseq	NM_004839
Protein Refseq	NP_004830
MIM	604799
UniProt ID	Q9NSB8
SDS-PAGE	 3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.