

Recombinant Human HOMER2 293 Cell Lysate

Cat. No. HOMER2-5437HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for homer homolog 2 (Drosophila) (HOMER2), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

HOMER2 homer homolog 2 (Drosophila) [Homo sapiens]

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;

Gene ID

9455

mRNA Refseq

NM_004839

Protein Refseq

NP_004830

MIM

604799

UniProt ID

Q9NSB8

**Chromosome
Location**

15q24.3

Pathway

Glutamatergic synapse, organism-specific biosystem; Glutamatergic synapse, conserved biosystem;

Function

G-protein coupled glutamate receptor binding; GKAP/Homer scaffold activity; actin

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binding; protein domain specific binding; protein heterodimerization activity; protein homodimerization activity;

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