

## Recombinant Human CYTH2 293 Cell Lysate

**Cat. No.** CYTH2-7094HCL    **Lot. No.** (See product label)

### SPECIFICATION

#### Product Overview

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>             | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>              | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>         | Antigen standard for cytohesin 2 (CYTH2), 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.                                                                                                          |
| <b>Components</b>          | 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). |
| <b>Size</b>                | 0.1 mg                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Storage Instruction</b> | 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**

CYTH2 cytohesin 2 [ Homo sapiens ]

**Official Symbol**

CYTH2

**Synonyms**

CYTH2; cytohesin 2; pleckstrin homology, Sec7 and coiled coil domains 2 , pleckstrin homology, Sec7 and coiled/coil domains 2 (cytohesin 2) , PSCD2, PSCD2L; cytohesin-2; ARNO; CTS18.1; Sec7p L; Sec7p like; ARF exchange factor; ARF nucleotide-binding site opener; PH, SEC7 and coiled-coil domain-containing protein 2; pleckstrin homology, Sec7 and coiled-coil domains 2 (cytohesin-2); pleckstrin homology, Sec7 and coiled/coil domains 2 (cytohesin-2); CTS18; PSCD2; SEC7L; PSCD2L; Sec7p-L; Sec7p-like;

**Gene ID**

9266

**mRNA Refseq**

NM\_004228

**Protein Refseq**

NP\_004219

**MIM**

602488

**UniProt ID**

Q99418

**Chromosome  
Location**

19q13.32

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|                 |                                                                                                                                                            |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Pathway</b>  | Arf1 pathway, organism-specific biosystem; Arf6 signaling events, organism-specific biosystem; Class I PI3K signaling events, organism-specific biosystem; |
| <b>Function</b> | ARF guanyl-nucleotide exchange factor activity; protein binding;                                                                                           |

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