# Recombinant Human ZFYVE16 cell lysate

**Cat. No.** ZFYVE16-1979HCL **Lot. No.** (See product label)

## SPECIFICATION

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| **Species** | Human |
| **Description** | The ZFYVE16 gene encodes endofin, an endosomal protein implicated in regulating membrane trafficking. It is characterized by the presence of a phosphatidylinositol 3-phosphate-binding FYVE domain positioned in the middle of the molecule (Seet et al., 2004 [PubMed 14613930]). |
| **Size** | 100 ul |
| **Storage Buffer** | 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue) |
| **Applications** | Western Blot; |

## GENE INFORMATION

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| **Gene Name** | ZFYVE16 zinc finger, FYVE domain containing 16 [ Homo sapiens ] |
| **Official Symbol** | ZFYVE16 |
| **Synonyms** | ZFYVE16; zinc finger, FYVE domain containing 16; zinc finger FYVE domain-containing protein 16; endofin; KIAA0305; PPP1R69; protein phosphatase 1; regulatory subunit 69; endosome-associated FYVE domain protein; endosome-associated FYVE-domain protein; protein phosphatase 1, regulatory subunit 69; ENDOFIN; DKFZp686E13162; |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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| **Gene ID** | 9765 |
| **mRNA Refseq** | NM_001105251 |
| **Protein Refseq** | NP_001098721 |
| **MIM** | 608880 |
| **UniProt ID** | Q7Z3T8 |
| **Chromosome Location** | 5p15.2-q14.3 |
| **Pathway** | BMP receptor signaling, organism-specific biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; Signal Transduction, organism-specific biosystem; Signaling by BMP, organism-specific biosystem; TGF-beta receptor signaling, organism-specific biosystem; TGF-beta signaling pathway, organism-specific biosystem; |
| **Function** | 1-phosphatidylinositol binding; metal ion binding; phosphatidylinositol-3,4,5-trisphosphate binding; protein binding; protein transporter activity; |

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