

## Recombinant Human WASF2 protein, GST-tagged

**Cat. No.** WASF2-1832H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| <b>Product Overview</b> | Recombinant Human WASF2 (73 a.a. - 172 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | 73-172 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Description</b>      | This gene encodes a member of the Wiskott-Aldrich syndrome protein family. The gene product is a protein that forms a multiprotein complex that links receptor kinases and actin. Binding to actin occurs through a C-terminal verprolin homology domain in all family members. The multiprotein complex serves to transduce signals that involve changes in cell shape, motility or function. The published map location (PMID:10381382) has been changed based on recent genomic sequence comparisons, which indicate that the expressed gene is located on chromosome 1, and a pseudogene may be located on chromosome X. |
| <b>Form</b>             | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Molecular Mass</b>   | 36.74 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | DRLQVKVTQLDPKEEEVSLQGINTRKAFRSSTIQDQKLFDRNSLPVPVLETYNTCDT<br>PPPLNNLTPYRDDGKEAL KFYTDPSYFFDLWKEKMLQDTKDIM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

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|---------------------|-------------------------------------------------------------------------------------------------------------|
| <b>Applications</b> | Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array |
| <b>Notes</b>        | Best use within three months from the date of receipt of this protein.                                      |
| <b>Storage</b>      | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                    |

## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | WASF2 WAS protein family, member 2 [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                         |
| <b>Official Symbol</b>     | WASF2                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Synonyms</b>            | IMD2; SCAR2; WASF4; WAVE2; dJ393P12.2; wiskott-Aldrich syndrome protein family member 2; WASP family Verprolin-homologous protein 2; WASP family protein member 2; WASP family protein member 4; protein WAVE-2; putative Wiskott-Aldrich syndrome protein family member 4; suppressor of cyclic-AMP receptor (WASP-family); verprolin homology domain-containing protein 2 |
| <b>Gene ID</b>             | 10163                                                                                                                                                                                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>         | NM_006990                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Protein Refseq</b>      | NP_008921                                                                                                                                                                                                                                                                                                                                                                   |
| <b>MIM</b>                 | 605875                                                                                                                                                                                                                                                                                                                                                                      |
| <b>UniProt ID</b>          | Q9Y6W5                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Chromosome Location</b> | 1p36.11                                                                                                                                                                                                                                                                                                                                                                     |

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**Pathway**

Adherens junction, organism-specific biosystem; Bacterial invasion of epithelial cells, organism-specific biosystem; Choline metabolism in cancer, conserved biosystem

**Function**

actin binding; protein binding; protein complex binding

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