

## Recombinant Human ZFYVE27 Protein, MYC/DDK-tagged

Cat. No. ZFYVE27-136H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant protein of human zinc finger, FYVE domain containing 27 (ZFYVE27), transcript variant 1 with a C-Myc/DDK tag was expressed in HEK293T.                                                                                                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | This gene encodes a protein with several transmembrane domains, a Rab11-binding domain and a lipid-binding FYVE finger domain. The encoded protein appears to promote neurite formation. A mutation in this gene has been reported to be associated with hereditary spastic paraplegia, however the pathogenicity of the mutation, which may simply represent a polymorphism, is unclear. |
| <b>Molecular Mass</b>   | 46.2 kDa                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                               |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                             |
| <b>Storage</b>          | Store at -80 centigrade.                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                          |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol                                                                                                                                                                                                                                                                                                                                      |

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## GENE INFORMATION

|                 |                                                                                                                                                 |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | ZFYVE27 zinc finger FYVE-type containing 27 [ Homo sapiens (human) ]                                                                            |
| Official Symbol | ZFYVE27                                                                                                                                         |
| Synonyms        | ZFYVE27; zinc finger FYVE-type containing 27; SPG33; PROTRUDIN; protrudin; spastic paraplegia 33 protein; zinc finger FYVE domain containing 27 |
| Gene ID         | 118813                                                                                                                                          |
| mRNA Refseq     | NM_001002261                                                                                                                                    |
| Protein Refseq  | NP_001002261                                                                                                                                    |
| MIM             | 610243                                                                                                                                          |
| UniProt ID      | Q5T4F4                                                                                                                                          |
| SDS-PAGE        |                                                                                                                                                 |

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