

Recombinant Human ZFYVE27 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ZFYVE27-3536H Lot. No. (See product label)

SPECIFICATION

Product Overview

ZFYVE27 MS Standard C13 and N15-labeled recombinant protein (NP_653189) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

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.

Molecular Mass

45.8 kDa

AA Sequence

MQTSEREGSGPELSPSVMPEAPLESPPFPTKSPAFDLFNLVLSYKRLEINLEPLKDA
 GDGVRYLLRWQMPLCSLLTCLGLNVLFLTLNEGAWYSVGALMISVPALLGYLQEV
 RARLPDSELMRRKYHSVRQEDLQRVRLSRPEAVA EVKSFLIQLEAFLSRLCCTCEAA
 YRVLHWENPVVSSQFYGALLGTVCMYLLPLCWVLTLLNSTLFLGNVEFFRVVSEYR
 ASLQQRMNPKQEEHAFESPPPPDVGKDG LMDSTPALTPTEDLTPGSVEEAEAE
 PDEEFKDAIEETHLVVLEDDGAPCPAEDLALQDNGFLSKNEVLR SKVSRLTERLR
 KRYPTNNGNCTGCSATFSVLKKRRRSCSNCGNSFC SRCCSFKV PKSSMGATAPEA
 QRETVFVCASCNQTLSKTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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|-----------------------|--|
| Purity | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Stability | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| Storage | Store at -80 centigrade. Avoid repeated freeze-thaw cycles. |
| Concentration | 50 µg/mL as determined by BCA |
| Storage Buffer | 100 mM glycine, 25 mM Tris-HCl, pH 7.3. |

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_144588 |
| Protein Refseq | NP_653189 |
| MIM | 610243 |
| UniProt ID | Q5T4F4 |

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SDS-PAGE



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