

# Recombinant Full Length Human AFG3L2 Protein, GST-tagged

**Cat. No.** AFG3L2-990HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human AFG3L2 full-length ORF ( AAH65016.1, 1 a.a. - 797 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | 797 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | This gene encodes a protein localized in mitochondria and closely related to paraplegin. The paraplegin gene is responsible for an autosomal recessive form of hereditary spastic paraplegia. This gene is a candidate gene for other hereditary spastic paraplegias or neurodegenerative disorders. [provided by RefSeq, Jul 2008]                                                                                                                                                                                                  |
| <b>Molecular Mass</b>   | 115 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MAHRCLRLWG RGGCWPRGLQ QLLVPGGVGP GEQPCLRTLY RFVTTQARAS<br>RNSLLTDIIA AYQRFCSRPP KGFEKYFPNG KNGKKASEPK EVMGEKKESK<br>PAATTRSSGG GGGGGGKRGK KKDDSHWWSR FQKGDIPWDD KDFRMFFLWT<br>ALFWGGVMFY LLLKRSGREI TWKDFVNNYL SKGVVDRLEV VNKRFVRVTF<br>TPGKTPVDGQ YVWFNIGSVD TERNLETQ QELGIEGENR VPVVYIAESD<br>GSFLLSMLPT VLIIAFLLYT IRRGPAGIGR TGRGMGGLFS VGETTAKVLK<br>DEIDVKFKDV AGCEEAKLEI MEFVNFLKNP KQYQDLGAKI PKGAILTGPP<br>GTGKTLLAKA TAGEANVPFI TVSGSEFLEM FVGVGPARVR DLFALARKNA<br>PCILFIDEID AVGRKRGRGN FGGQSEQENT LNQLLEVMDG FNTTTNVVIL |

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AGTNRPDILD PALLRPGRFD RQIFIGPPDI KGRASIFKVH LRPLKLDSTL  
 EKDKLARKLA SLTPGFSGAD VANVCNEAAL IAARHLSDSI NQKHFEQAIE  
 RVIGGLEKKT QVLQPEEKKT VAYHEAGHAV AGWYLEHADP LLKVSIIPRG  
 KGLGYAQYLP KEQYLYTKEQ LLDRMCMTLG GRVSEEIFFG RITTGAQDDL  
 RKVTQSAYAQ IVQFGMNEKV GQISFDLPRQ GDMVLEKPYS EATARLIDDE  
 VRILINDAYK RTVALLTEKK ADVEKVALLL LEKEVLDKND MVELLGPRPF  
 AEKSTYEEFV EGTGSLDEDT SLPEGLKDOWN KEREKEKEEP PGEKVAN

**Applications**

Enzyme-linked Immunoabsorbent Assay  
 Western Blot (Recombinant protein)  
 Antibody Production  
 Protein Array

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name**

AFG3L2 AFG3 ATPase family gene 3-like 2 (S. cerevisiae) [ Homo sapiens ]

**Official Symbol**

AFG3L2

**Synonyms**

AFG3L2; AFG3 ATPase family gene 3-like 2 (S. cerevisiae); AFG3 (ATPase family gene 3, yeast) like 2, AFG3 ATPase family gene 3 like 2 (yeast), SCA28, spinocerebellar ataxia 28; AFG3-like protein 2; paraplegin-like protein; ATPase family gene 3, yeast; SCA28; SPAX5; FLJ25993

**Gene ID**

10939

**mRNA Refseq**

NM\_006796

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|                |           |
|----------------|-----------|
| Protein Refseq | NP_006787 |
| MIM            | 604581    |
| UniProt ID     | Q9Y4W6    |

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