

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

Cat. No. SPAST-2416H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human SPAST protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	This gene encodes a member of the AAA (ATPases associated with a variety of cellular activities) protein family. Members of this protein family share an ATPase domain and have roles in diverse cellular processes including membrane trafficking, intracellular motility, organelle biogenesis, protein folding, and proteolysis. The encoded ATPase may be involved in the assembly or function of nuclear protein complexes. Two transcript variants encoding distinct isoforms have been identified for this gene. Other alternative splice variants have been described but their full length sequences have not been determined. Mutations associated with this gene cause the most frequent form of autosomal dominant spastic paraplegia 4.
<b>Form</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	63.4 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method

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## GENE INFORMATION

**Gene Name** SPAST spastin [ Homo sapiens ]

**Official Symbol** SPAST

**Synonyms** ADPSP; FSP2; SPG4

**Gene ID** 6683

**mRNA Refseq** NM\_014946

**Protein Refseq** NP\_055761

**MIM** 604277

**UniProt ID** Q9UBP0

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