

Recombinant Human SPAST Protein, MYC/DDK-tagged

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

SPECIFICATION

Product Overview	Recombinant Human SPAST protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
Description	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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	63.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>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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