

## Recombinant Human SPAST protein, His-tagged

Cat. No. SPAST-2537H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human SPAST protein(79-278 aa), fused with N-terminal His tag, was expressed in E.coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	79-278 aa
<b>Form</b>	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na <sub>2</sub> HPO <sub>4</sub> , 17 mM NaH <sub>2</sub> PO <sub>4</sub> , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
<b>AASequence</b>	CQRFSRALMAAKRSSGAAPAPASASAPAPVPGGEAERVRFHKQAFEYISIALRIDE DEKAGQKEQAVEWYKKGIEELEKGIIVITGQGEQCERARRLQAKMMTNLVMK DLQQLLESGAVPKRKDPLTHTSNLPRSKTVMKTGSAGLSGHHRAPSYGLSMVSGV KQSGSPAPTTHTKGTPTNRTNKPSTPTTATR
<b>Purity</b>	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Storage</b>	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

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**Reconstitution**

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

**GENE INFORMATION**

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

**Official Symbol** SPAST

**Synonyms** SPAST; spastin; spastic paraplegia 4 (autosomal dominant; spastin) , SPG4; ADPSP; FSP2; KIAA1083; spastic paraplegia 4 protein; spastic paraplegia 4 (autosomal dominant; spastin); SPG4;

**Gene ID** 6683

**mRNA Refseq** NM\_014946

**Protein Refseq** NP\_055761

**MIM** 604277

**UniProt ID** Q9UBP0

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