

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

Cat. No. SPART-3140H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SPG20 MS Standard C13 and N15-labeled recombinant protein (NP_001135766) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a protein containing a MIT (Microtubule Interacting and Trafficking molecule) domain, and is implicated in regulating endosomal trafficking and mitochondria function. The protein localizes to mitochondria and partially co-localizes with microtubules. Stimulation with epidermal growth factor (EGF) results in protein translocation to the plasma membrane, and the protein functions in the degradation and intracellular trafficking of EGF receptor. Multiple alternatively spliced variants, encoding the same protein, have been identified. Mutations associated with this gene cause autosomal recessive spastic paraplegia 20 (Troyer syndrome).
Molecular Mass	72.9 kDa
AA Sequence	MEQEPQNGEPAEIKIIREAYKKAFLFVNKGLNTDELGQKEEAKNYYKQGIGHLLRGISISSKESEHTGTGWESARQMQQKMKETLQNVTRLEILEKGLATSLQNDLQEVPKLYPEFPPKDMCEKLPEPQSFSSAPQHAEVNGNTSTPSAGAVAAPASLSLPSQSCPAEAPPAYTPQAAEGHYTVSYGTDSGEFSSVGEEFYRNHSQPPPLETLGLDADELILIPNGVQIFFVNPAGEVSAPSYPGYLRIVRFLDNSLDTVLNRPPGFLQVCDWLYPLVPDRSPV

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LKCTAGAYMFPDTMLQAAGCFVGVLSSELPEDDRELFEDLLRQMSDLRLQANWN
 RAEEENEFAQIPGRTRPSSDQLKEASGTDVKQLDQGNKDVRHKGKRGKRAKDTSSSE
 EVNLSHIVPCEPVPEEKPKELHEWSEKVAHNILSGASWVSWGLVKGAIEITGKAIQKG
 ASKLRRERIQPEEKPVESPVAVTGKGLYIAKQATGGAAKVSQFLVDGVCTVANCVGKEL
 APHVKKHGSKLVPESLKKDKDGKSPLDGAMVVAASSVQGFSTVWQGLECAAKCIV
 NNVSAETVQTVRYKYGYNAGEATHHAVDSAVNVGVTAYNINNIGIKAMVKKTATQTG
 HTLLEDYQIVDNSQRENQEGAANVNVVRGEKDEQTKEVKEAKKKDKTRTRPLEQKLI
 SEEDLAANDILDYKDDDDKV

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	SPART spartin [Homo sapiens (human)]
Official Symbol	SPART
Synonyms	SPART; spartin; SPG20; TAHCCP1; spartin; spastic paraplegia 20 (Troyer syndrome); trans-activated by hepatitis C virus core protein 1
Gene ID	23111

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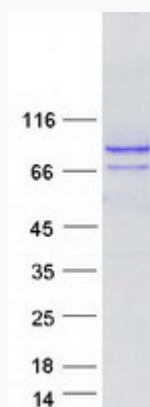
mRNA Refseq [NM_001142294](#)

Protein Refseq [NP_001135766](#)

MIM [607111](#)

UniProt ID [Q8N0X7](#)

SDS-PAGE



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