



# Recombinant Human Spartin (SPG20)

<b>Product Code</b>	CSB-EP822675HU
<b>Abbreviation</b>	SPG20
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q8N0X7
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MEQEPQNGEP AEIKIIREAY KKAFLFVNKG LNTDELGQKE EAKNYYKQGI GHLLRGISIS SKESEHTGPG WESARQMQQK MKETLQNVRT RLEILEKGLA TSLQNDLQEV PKLYPEFPPK DMCEKLPEPQ SFSSAPQHA E VNGNTSTPSA GAVAAPASLS LPSQSCPAEA PPAYTPQAAE GHYTVSYGTD SGEFSSVGEE FYRNHSQPPP LETLGLDADE LILIPNGVQI FVNPAGEVS APSYPGYLRI VRFLDNSLDT VLNRPPGFLQ VCDWLYPLVP DRSPVLKCTA GAYMFPDTML QAAGCFVGVV LSSELPEDDR ELFEDLLRQM SDLRLQANWN RAEENEFEQI PGRTRPSSDQ LKEASGTDVK QLDQGNKDVR HKGKRGKRAK DTSSEEVNLS HIVPCEPVPE EKPKEPEWS EKVAHNILSG ASWVSWGLVK GAEITGKAIQ KGASKLRERI QPEEKPVEVS PAVTKGLYIA KQATGGA AKV SQFLVDGVCT VANCVGKELA PHVKKHGSKL VPESLKKDKD GKSPLDGAMV VAASSVQGFS TVWQGLECAA KCIVNNVSAE TVQTVRYKYG YNAGEATHHA VDSAVNVGVT AYNINNIGIK AMVKKATATQT GHTLLEDYQI VDNSQRENQE GAANVNV RGE KDEQTKEVKE AKKKDK
<b>Source</b>	E.coli
<b>Target Names</b>	SPART
<b>Protein Names</b>	Recommended name: Spartin Alternative name(s): Spastic paraplegia 20 protein Trans-activated by hepatitis C virus core protein 1
<b>Expression Region</b>	1-666
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	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).

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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