Recombinant Mouse Spartin (Spg20)

Product Code	CSB-MP819170MO
Abbreviation	Spg20
Storage	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.
Uniprot No.	Q8R1X6
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥85% (SDS-PAGE)
Sequence	MEREPENGEP AEIKIIKEAY EKAFMFVNKG LNTDELGQKE EAKNYYKQGI GHLLRGISIA AAEPGHTGPA WEAARQMQQK MKETLQNVRT RLEILEKGLA TSLRNDLQDV PKLYPEFPPK DACKKSPEQE SVSTAPQRAE VDGSASAACA GPSGAPSALP VPSPSCPAEA PPAYSPQAAE GHYTVSYGTD SGEFSSVGED FYRNRSQPPP LETLGLDADE LILIPNGVQI FFVNPAGEVS APSYPGYLRI VRFLDNSLDT VLNRPPGFLQ VCDWLYPLVP DRSPVLKCTV GAYMFPDTML QAAGCFVGVV LSSELPEDDR ELFEDLLRQM SDLRLQANWN REEDEFQIPG RSSHPSEPPK EASGTDVRQS SSSGSSIDQG SKDARHKGKR GKKTKDSSEE VNLSQIVPCE PSSEEKSKEL PEWSEKVAHN ILSGASWVSW GLVKGAEFTG KAIQKGASKL RERIQPEEKP VEVSPAVTRG LYIAKQATGG AAKVSQLLVD GVCTVANCVG KELAPHVKKH GSKLVPESLK RDKDGKSALD GAMVVAASSV QGFSTVWQGL ECAAKCIVNN VSAETVQTVR YKYGHNAGEA THNAVDSAIN VGLTAYNIDN IGIKAMVKKT AKQTGHTLLE DYQIVERPQR ESQGGATSTE GRRDIGKQVE EEKPGAGKKD K
Source	Mammalian cell
Target Names	Spart
Protein Names	Recommended name: Spartin
Expression Region	1-671
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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).
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.
Shelf Life	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.