

Spastic Paraplegia 21 Human Recombinant

Item Number	rAP-4421
Synonyms	MAST, ACP33, GL010, BM-019, MASPARDIN, SPG21, Spastic paraplegia 21 autosomal recessive Mast syndrome protein, Acid cluster protein 33.
Description	SPG21 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 328 amino acids (1-308 a.a.) and having a molecular mass of 94.4 kDa. SPG21 is expressed with a 20 amino acid His tag at N-Terminus and purified by proprietary chromatographic techniques.
Uniprot Accesion Number	Q9NZD8
Amino Acid Sequence	MGSSHHHHHH SSSLVPRGSH MGEIKVSPDY NWFRTVPLK KIIVDDDDSK IWSLYDAGPR SIRCPLIFLP PVSGTADVFF RQILALTGWG YRVIALQYPV YWDHLEFCDG FRKLLDHLQL DKVHLFGASL GGFLAQKFAE YTHKSPRVHS LILCNSFSDT SIFNQTWTAN SFWLMPAFML KKIVLGNFSS GPVDPMMA- DA IDFMVDRLES LGQSELASRL TLNCQNSYVE PHKIRDIPVT IMDVFDQSAL STEAKEEMYK LYPNAR- RAHL KTGGNFPYLC RSAEVNLYVQ IHLLQFHGTK YAAIDPSMVS AEELEVQKGS LGISQEEQ.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The SPG21 protein solution contains 20mM Tris-HCl, pH-8. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**