

Recombinant Full Length Human Paraplegin(Spg7) Protein, His-Tagged

Cat. No. RFL4198HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human Paraplegin(SPG7) Protein (Q9UQ90) (1-795aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Full Length (1-795)
Form	Lyophilized powder
AA Sequence	MAVLLLLLRALRRGPGPGPRPLWGPSPA WSPGFARPGRGRPYMASRPPGD LAE AGGRAL QSLQLRLLTPTFEGINGLLLKQHLVQNPVRLWQLLGGTFYFNTSRLKQKN KEKDKSKGKA PEEDEEERRRRERDDQMYRERLRTL LVI AVVMSLLNALSTSGGSIS WNDFVHEMLAKGEV QRVQVVPESDVVEVYLHPGAVVFGRPRLALMYRMQVANID KFEEKLRAAEDELNIEAKDR IPVSYKRTGFFGNALYSVGMTAVGLAILWYVFRLAGM TGREGGFSAFNQLKMARFTIVDG KMGKGV SFKDVAGMHEAKLEVREFVDYLKSPE RFLQLGAKVPKGALLLGGPGCGKTLLAK AVATEAQVPFLAMAGPEFVEVIGGLGAA RVRSLFKEARARAPCIVYIDEIDAVGKKRSTT MSGFSNTEEEQTLNQLLVEMDGMG TTDHVIVLASTNRADILDGALMRPGR LDRHVFIDLP TLQERREIFEQHLKSLKLTQSS TFYSQRLAELTPGFSGADIANICNEAALHAAREGHTSV HTLNFEYAVERVLAGTAKK SKILSKEEQKV VAFHESGHALVGWMLEHTEAVMKVSITPRT NAALGFAQMLPRDQH LFTKEQLFERMCMALGGRASEALSFNEVTSGAQDDL RKVTRIAYS MVKQFGMAPGI

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GPISFPEAQEGLMGIGRRPFSQGLQQMMDHEARLLVAKAYRHTEKVLQD NLDKLQ
ALANALLEKEVINYEDIEALIGPPPHGPKMIAPQRWIDAQREKQDLGEEETEE TQQ
PPLGGEEPTWPK

Purity Greater than 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Storage Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

Storage Buffer Tris/PBS-based buffer, 6% Trehalose, pH 8.0

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.

GENE INFORMATION

Gene Name SPG7

Synonyms SPG7; CAR; CMAR; PGN; Paraplegin; Cell matrix adhesion regulator; Spastic paraplegia 7 protein

UniProt ID [Q9UQ90](#)

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