

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

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

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human Paraplegin(SPG7) Protein (Q9UQ90) (1-795aa), fused to N-terminal His tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Full Length (1-795)
<b>Form</b>	Lyophilized powder
<b>AA Sequence</b>	<p>MAVLLLLLRALRRGPGPGPRPLWGPGPAWSPGFARPGRGRPYMASRPPGDIAE  AGGRAL QSLQLRLLTPTFEGINGLLLKQHLVQNPVRLWQLLGGTFYFNTSRLKQKN  KEKDKSKGKA PEEDEEERRRRERDDQMYRERLRTLLVIAVMSLLNALSTSGGSIS  WNDFVHEMLAKGEV QRVQVVPESDVVEVYLHPGAVVFGPRPRLALMYRMQVANID  KFEEKLRAAEDELNIEAKDR IPVSYKRTGFFGNALYSVGMTAVGLAILWYVFRLAGM  TGREGGFSAFNQLKMARFTIVDG KMGKGVSFKDVAGMHEAKLEVREFVDYLKSPE  RFLQLGAKVPKGALLLGGPGCGKTLLAK AVATEAQVPFLAMAGPEFVEVIGGLGAA  RVRSLFKEARARAPCIVYIDEIDAVGKKRSTT MSGFSNTEEEQTLNQLLVEMDGMG  TTDHVIVLASTNRADILDGALMRPGRRLDRHVFIDLP TLQERREIFEQHLKSLKLTQSS  TFYSQRLAELTPGFSGADIANICNEAALHAAREGHTSV HTLNFEYAVERVLGATAKK  SKILSKEEQKVAFHESGHALVGWMLHTEAVMKVSITPRT NAALGFAQMLPRDQH  LFTKEQLFERMCMALGGRASEALSFNEVTSGAQQDLRKVTRIAYS MVKQFGMAPGI</p>

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GPISFPEAQEGLMGIGRRPFSQGLQQMMDHEARLLVAKAYRHTEKVLQD NLDKLG  
 ALANALLEKEVINYEDIEALIGPPPHGPKKMIAPQRWIDAQREKQDLGEEETEE 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](https://www.uniprot.org/entry/Q9UQ90)

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