

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

**Cat. No.** RFL16878RF    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

Recombinant Full Length Rat Paraplegin(Spg7) Protein (Q7TT47) (1-744aa), fused to N-terminal His tag, was expressed in E. coli.

### Species

Rat

### Source

E.coli

### ProteinLength

Full Length (1-744)

### Form

Lyophilized powder

### AA Sequence

MAAALLLLRALRQSPEPGPWRLWAQLSGRSPGLFSGAGGRRPYVVRGTPIGLAAA  
 GGHTP QSLLLRLTPSFEGVSGLLLKRHIVPSAIRLWQLSGSTLYFNTSGLKQKNKDD  
 DKPKGKA PEDDEEERRRKEREDQMYRERLRTLFIIVMSLLNSLSTSGGSISWADF  
 VNEMLAKGEV QRVQVVPESDVVEVYLHPGAVVFGRPRLALMYRMQVANIDKFEEK  
 LRAAEDELNIESKDR IPVSYKRTGFFGNALYALGMTAVGLAILWYVFRLAGMTGREG  
 GFSAFNQLKMARFTIVDG KTGKGVSFQDVAGMHEAKLEVREFVDYLKSPERFLQLG  
 AKVPGKALLGPPGCGKTLAK AVATEAQVPFLAMAGPEFVEVIGGLGAARVRSLF  
 KEARARAPCIVYIDEIDAVGKKRSTS MSGFSNTEEEQTLNQLLVEMDGMGTADHVIV  
 LASTNRADVLDNALMRPGRRLDRHVFIDLPLQERREIFEQHLKGLKLTQPSSFYSQR  
 LAELTPGFSGTAKKSKILSKEEQRVVAFHESG HALVGWILLEHTEAVMKVSIAPRTNA  
 ALGFSQMLPRDQYLFTKEQLFERMCMALGGRAAEA ISFSRVTSGAQDDLKRVTRIA  
 YSMVKQFGMAPSIGPVSFPEAQEGLVGIGRRPFSQGLQQ MMDHEARLLVARAYRH

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TEKVLLDNLDKQLQALANALLEKEVINYEDIEALIGPPPHGPKKM IAPQKWIDAEKEKQ  
ASGEEEEAPAP

**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; Paraplegin

**UniProt ID** [Q7TT47](#)

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