

Recombinant Human SPG7 293 Cell Lysate

Cat. No. SPG7-1518HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for spastic paraplegia 7 (pure and complicated autosomal recessive) (SPG7), nuclear gene encoding mitochondrial protein, transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.

Components

This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).

Size 0.1 mg

Storage Instruction

Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

SPG7 spastic paraplegia 7 (pure and complicated autosomal recessive) [Homo sapiens]

Official Symbol

SPG7

Synonyms

SPG7; spastic paraplegia 7 (pure and complicated autosomal recessive); cell matrix adhesion regulator , CMAR; paraplegin; CAR; SPG5C; paraplegin, isoform 1; cell adhesion regulator; spastic paraplegia 7 protein; cell matrix adhesion regulator; PGN; CMAR; FLJ37308; MGC126331; MGC126332;

Gene ID

6687

mRNA Refseq

NM_003119

Protein Refseq

NP_003110

MIM

602783

UniProt ID

Q9UQ90

Chromosome Location

16q24.3

Function

ATP binding; metal ion binding; metalloendopeptidase activity; nucleoside-triphosphatase activity; nucleotide binding; peptidase activity; unfolded protein

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binding; zinc ion binding;

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