

Recombinant Human AP4B1, GST-tagged

Cat. No. AP4B1-9725H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AP4B1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-351a.a.
Description	This gene encodes a subunit of a heterotetrameric adapter-like complex 4 that is involved in targeting proteins from the trans-Golgi network to the endosomal-lysosomal system. Mutations in this gene are associated with cerebral palsy spastic quadriplegic type 5 (CPSQ5) disorder. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	AP4B1 adaptor-related protein complex 4, beta 1 subunit [Homo sapiens]
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 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

Official Symbol	AP4B1
Synonyms	AP4B1; adaptor-related protein complex 4, beta 1 subunit; spastic paraplegia 47 , SPG47; AP-4 complex subunit beta-1; beta 4 subunit of AP 4; BETA 4; beta4-adaptin; spastic paraplegia 47; beta 4 subunit of AP-4; CPSQ5; SPG47; BETA-4;
Gene ID	10717
mRNA Refseq	NM_001253852
Protein Refseq	NP_001240781
MIM	607245
UniProt ID	Q9Y6B7
Chromosome Location	1p13.2
Pathway	Clathrin derived vesicle budding, organism-specific biosystem; Golgi Associated Vesicle Biogenesis, organism-specific biosystem; Lysosome, organism-specific biosystem; Lysosome, conserved biosystem; Membrane Trafficking, organism-specific biosystem; trans-Golgi Network Vesicle Budding, organism-specific biosystem;
Function	binding; protein transporter activity; transporter activity;

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