Recombinant Human AP3B1, GST-tagged

Cat. No. AP3B1-9719H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AP3B1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	763-1094a.a.
Description	This gene encodes a protein that may play a role in organelle biogenesis associated with melanosomes, platelet dense granules, and lysosomes. The encoded protein is part of the heterotetrameric AP-3 protein complex which interacts with the scaffolding protein clathrin. Mutations in this gene are associated with Hermansky-Pudlak syndrome type 2. Two transcript variants encoding different isoforms have been found for this gene.
Storage	The protein is stored in PBS buffer at -20℃. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

Gene Name	AP3B1 adaptor-related protein complex 3, beta 1 subunit [Homo sapiens]

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Official Symbol	AP3B1
Synonyms	AP3B1; adaptor-related protein complex 3, beta 1 subunit; AP-3 complex subunit beta-1; ADTB3A; HPS2; beta3A-adaptin; beta-3A-adaptin; AP-3 complex beta-3A subunit; adaptor protein complex AP-3 subunit beta-1; adapter-related protein complex 3 subunit beta-1; clathrin assembly protein complex 3 beta-1 large chain; PE; HPS; ADTB3;
Gene ID	8546
mRNA Refseq	NM_003664
Protein Refseq	NP_003655
MIM	603401
UniProt ID	O00203
Chromosome Location	5q14.1
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 phosphatase binding; protein transporter activity;

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