

Recombinant Human AP5Z1 protein, GST-tagged

Cat. No. AP5Z1-664H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AP5Z1 full-length ORF (AAH37399, 1 a.a. - 446 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene was identified by genome-wide screen for genes involved in homologous recombination DNA double-strand break repair (HR-DSBR). The encoded protein was found in a complex with other proteins that have a role in HR-DSBR. Knockdown of this gene reduced homologous recombination, and mutations in this gene were found in patients with spastic paraplegia. It was concluded that this gene likely encodes a helicase (PMID:20613862). [provided by RefSeq, Jan 2011]
Molecular Mass	74.8 kDa
AA Sequence	MAKVVVLSPGTLQEDQATLLSKRLVDWLRYSALQQGLPHSGGFFSTPRARQPGPV TEVDGAVATDFFTVLSSGHRFTDDQWLNQAFSMLRAWLLHSGPEGPGTLDTDDR SEQEGSTLSVISATSSAGRLLPPRERLREVAFEYCQRLIEQSNRRALRKGDSDLQKA CLVEAVLVLDVLCRQDPSFLYRSLSCLKALHGRVVRGDPASVRVLLPLAHFFLSHGEA AAVDSEAVYQHLFTRIPVEQFHSPMLAFEFIQFCRDNLHLFSGHLSTLRLSFPNLFKF LAWNSPPLTSEFVALLPALVDAGTALEMLHALLDLPCLTAVLDLQLRSAPAASERPL WDTSLRAPSCLEAFRDPQFQGLFYLLRPKASGATERLAPLHQLLQPMAGCARVA QCAQAVPTLLQAFFSAVTQVADGSLINQLALLLLGRSDSLYPAPGYAAGVHR

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

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

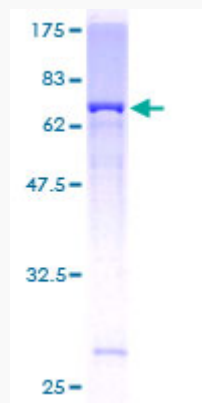
 45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	AP5Z1 adaptor related protein complex 5 zeta 1 subunit [Homo sapiens (human)]
Official Symbol	AP5Z1
Synonyms	AP5Z1; adaptor related protein complex 5 zeta 1 subunit; zeta; SPG48; KIAA0415; AP-5 complex subunit zeta-1; adapter-related protein complex 5 zeta subunit; adaptor-related protein complex 5 zeta subunit; zeta5
Gene ID	9907
mRNA Refseq	NM_014855
Protein Refseq	NP_055670
MIM	613653
UniProt ID	O43299

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12.5% SDS-PAGE Stained with Coomassie Blue.

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