

## Recombinant Human AP5Z1, His-tagged

Cat. No. AP5Z1-3545H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | AP-5 complex subunit zeta-1 (AP5Z1)                                                                                                                                                                                                                                                                                                                                                                                                |
| Species          | Human                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Source           | E.Coli/Yeast                                                                                                                                                                                                                                                                                                                                                                                                                       |
| ProteinLength    | 807                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 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. |
| Form             | This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.                                                                                                                                                                                                                                                                                                   |
| Purity           | >90%                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Notes            | Small volumes of AP5Z1 recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice.                                                                                                                     |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

|                            |                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------|
| <b>Storage</b>             | Store at -20 degree C. For extended storage, store at -20 or -80 degree C.                  |
| <b>Storage Buffer</b>      | PBS pH 7.4, 50% glycerol                                                                    |
| <b>Warning</b>             | This product is for research use only. Not for use in diagnostic or therapeutic procedures. |
| <b>GENE INFORMATION</b>    |                                                                                             |
| <b>Gene Name</b>           | AP5Z1 adaptor-related protein complex 5, zeta 1 subunit [ Homo sapiens ]                    |
| <b>Official Symbol</b>     | AP5Z1; AP-5 complex subunit zeta-1; zeta5; adapter-related protein complex 5 zeta subunit   |
| <b>Synonyms</b>            | zeta; SPG48; KIAA0415;                                                                      |
| <b>Gene ID</b>             | 9907                                                                                        |
| <b>mRNA Refseq</b>         | NM_014855                                                                                   |
| <b>Protein Refseq</b>      | NP_055670                                                                                   |
| <b>UniProt ID</b>          | O43299                                                                                      |
| <b>Chromosome Location</b> | 7p22.2                                                                                      |
| <b>Function</b>            | protein binding                                                                             |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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