

## AP1B1 Protein, Human, Recombinant (His & Myc)

### General Information

|                       |   |
|-----------------------|---|
| Synonyms:             | Beta-1-adaptin;Beta-adaptin 1;AP1B1;Adaptor protein complex AP-1 subunit beta-1; Adaptor-related protein complex 1 subunit beta-1;Golgi adaptor HA1/AP1 adaptin beta subunit;BAM22;Clathrin assembly protein complex 1 beta large chain;AP-1 complex subunit beta-1;CLAPB2;ADTB1  |
| Protein Construction: | 1-584 aa  |
| Species:              | Human   |
| Expression Host:      | E. coli   |
| Accession:            | Q10567  |
| Molecular Weight:     | 73.3 kDa (predicted)  |
| AA Sequence:          | MTDSKYFTTTKKGEIFELKAELNSDKKEKKKEAVKKVIASMTVGKDVSAFPDVVNCMQTDNLELKKLVLYL MNYAKSQPDMAIMAVNTFVKDCEDPNPLIRALAVRTMG CIRVDKITEYLCEPLRKCLKDEDPYVRKTAAVCVA KLHDINAQLVEDQGFLDTLKDLSNPMVVANAVAALSEIAESHPSNLLDLNPQSINKLLTALNECTEWGQ IFILDCLANYMPKDDREAQSICERVTPRLSHANSVLSAVKVLKFMEMLSKDLDDYYGTLKKLAPPLVTLSS AEPELQYVALRNINLIVQKRPEILKHEMKVFFVKYNDPIYVKLEKLDIMIRLASQANIAQVLAELKEYATEVDVD FVRKAVRAIGRCAIKVEQSAERCVSTLLDLIQTKVNYVVQEAIIVIKDIFRKYPNKYESVIATLCENLDSLDEPEA RAAMIWIVGEYAERIDNADELLESFLEGFHDESTQVQLQLLTAIVKLFKPKPTETQELVQQVLSLATQDSDNPD LRDRGYIYWRLLSTDPVAAKEVVLAEKPLISEETDLIEPTLLDELICYIGTLASVYHKPPSAFVEG |

### QC Testing

|                      |   |
|----------------------|---|
| Biological Activity: | Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first. |
| Purity:              | > 85% as determined by SDS-PAGE.  |
| Endotoxin:           | < 1.0 EU/μg of the protein as determined by the LAL method.   |
| Formulation:         | Tris-based buffer, 50% glycerol   |

### Preparation and Storage

#### Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

**Protein Background**

Subunit of clathrin-associated adaptor protein complex 1 that plays a role in protein sorting in the late-Golgi/trans-Golgi network (TGN) and/or endosomes. The AP complexes mediate both the recruitment of clathrin to membranes and the recognition of sorting signals within the cytosolic tails of transmembrane cargo molecules.

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