

## APOD Protein, Mouse, Recombinant (His & Myc)

### General Information

|                       |   |
|-----------------------|---|
| Synonyms:             | Apod;Apo-D;ApoD;Apolipoprotein D  |
| Protein Construction: | 21-189 aa   |
| Species:              | Mouse   |
| Expression Host:      | E. coli   |
| Accession:            | P51910  |
| Molecular Weight:     | 26.9 kDa (predicted)  |
| AA Sequence:          | QNFHLGKCPSPVQENFDVKKYLGRWYEIEKIPASFEKGNCIQANYSLMENGNIIEVLNKEKSPDGTMNQVKG<br>EAKQSNVSEPAKLEVQFFPLMPPAPYWILATDYENYALVYSCTFFWLHVFVWILGRNPYLPETITYLKDIL<br>TSNGIDIEKMTTDDQANCPDFL |

### 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:         | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0. |

### Preparation and Storage

|                      |  |
|----------------------|--|
| Reconstitution:      | Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 μg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.                          |
| 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. |
| Shipping:            | In general, Lyophilized powders are shipping with blue ice. Solutions are shipping with dry ice.   |

### Protein Background

APOD occurs in the macromolecular complex with lecithin-transport and binding of bilin. Appears to be able to transport a variety of ligands in a number of different contexts.

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