

# Recombinant Human Apolipoprotein D/ApoD Protein (His Tag)



Catalog Number:PKSH032085

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

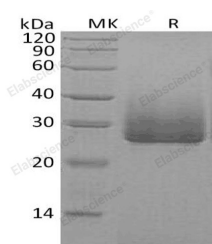
## Description

|                                    |                                  |
|------------------------------------|----------------------------------|
| <b>Synonyms</b>                    | Apolipoprotein D;Apo-D;ApoD;APOD |
| <b>Species</b>                     | Human                            |
| <b>Expression Host</b>             | HEK293 Cells                     |
| <b>Sequence</b>                    | Glu21-Ser189                     |
| <b>Accession</b>                   | P05090                           |
| <b>Calculated Molecular Weight</b> | 20.3 kDa                         |
| <b>Observed molecular weight</b>   | 25-35 kDa                        |
| <b>Tag</b>                         | C-His                            |

## Properties

|                       |  |
|-----------------------|--|
| <b>Purity</b>         | > 95 % as determined by reducing SDS-PAGE.   |
| <b>Endotoxin</b>      | < 1.0 EU per µg of the protein as determined by the LAL method.  |
| <b>Storage</b>        | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.                      |
| <b>Shipping</b>       | This product is provided as lyophilized powder which is shipped with ice packs.  |
| <b>Formulation</b>    | Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.2. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.<br>Please refer to the specific buffer information in the printed man |
| <b>Reconstitution</b> | Please refer to the printed manual for detailed information.   |

## Data



> 95 % as determined by reducing SDS-PAGE.

## Background

Apolipoprotein-D (ApoD) is an atypical apolipoprotein and, based on its primary structure, it also a member of the lipocalin family. ApoD is mainly associated with high density lipoproteins in human plasma. ApoD is expressed in numerous tissues having high levels of expression in spleen, testes and brain. ApoD plays a role in maintenance and repair within the central and peripheral nervous systems. ApoD occurs in the macromolecular complex with lecithin-cholesterol acyltransferase. It is a multi-ligand, multi-functional transporter and transports a ligand from 1 cell to another. ApoD is probably involved in the transport and binding of bilin, it appears to be able to transport a variety of ligands in a number of different contexts.

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