9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

APO D Human, GST

APO-D Human Recombinant, GST Tag
CYK0041

Product Overview

Name	APO D Human, GST
Description	
APO-D Human Recombinant, GST Tag	
Accession (Primary)	P05090
Synonyms	
Apolipoprotein D, Apo-D, ApoD.	
Introduction	
Apolipoprotein-D is mainly associated with high density lipoproteins in human plasma. Apolipoprotein-D is an atypical apolipoprotein and, based on its primary structure, Apolipoprotein-D is a member of the lipocalin family. Lipocalins adopt a beta-barrel tertiary structure and transport small hydrophobic ligands. Apolipoprotein-D binds cholesterol, progesterone, pregnenolone, bilirubin and arachidonic acid. Apolipoprotein-D is expressed in numerous tissues having high levels of expression in spleen, testes and brain. Apolipoprotein-D is present at high concentrations in the cyst fluid of women with gross cystic disease of the breast, a condition associated with increased risk of breast cancer. Apolipoprotein-D accumulates in regenerating peripheral nerves and in the cerebrospinal fluid of patients with neurodegenerative conditions, such as Alzheimer's disease. Apolipoprotein-D participates in maintenance and repair within the central and peripheral nervous systems. Apolipoprotein-D is a multi-ligand, multi-functional transporter and transports a ligand from 1 cell to another within an organ, scavenge a ligand within an organ for transport to the blood or could transport a ligand from the circulation to specific cells within a tissue.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
APO-D protein at 100 µg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.	
Stability	
Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months.	
Precautions	
APO D Human, GST is for research use only and not for use in diagnostic or therapeutic procedures.	

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Target Information: (P05090)