
Product Data Sheet

Product Name: CD36 Human

Cat. No.: GP23053

Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Insect cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Platelet glycoprotein 4 isoform 1; BDPLT10; CHDS7; FAT; GP3B; GP4; GPIV; PASIV; SCARB3; Glycoprotein IIIb; GPIIB; Leukocyte differentiation antigen CD36; PAS-4; Platelet collagen receptor; Platelet glycoprotein IV; Thrombospondin receptor.		
Amino Acid Sequence	<p>ADLGDLLIQK TIKKQVVLEE GTIAFKNWVK TGTEVYRQFW IFDVQNPQEV MMNSSNIQVK QRGPYTYRVR FLAKENVTDQ AEDNTVSFLQ PNGAIFEPSL SVGTEADNFT VLNLAVAAAS HIYQNQFVQM ILNSLINKSK SSMFQVRTL ELLWGYRDPF LSLVPYPVTT TVGLFYYPNNTADGVYKVFN GKDNISKVAI IDTYKGKRNLSYWESHCDMI NGTDAASFPP FVEKSQVLQF FSSDICRSYI AVFESDVNLK GIPVYRFVLP SKAFASPVEN PDNYCFCTEK IISKNCTSYG VLDISKCKEG RPYVISLPHF LYASPDVSEP IDGLNPNEEE HRTYLDIEPI TGFTLQFAKRLQVNLVKPS EKIQVLKLNK RNYIVPILWL NETGTIGDEK ANMFRSQVTG KINLEPKSCD KTHTCPPCPA PELLGGPSVF LFPPKPKDTL MISRTPEVTC VVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC KVSNAKALPAP IEKTISKAKGQPREPQVYTL PPSRDELTKN QVSLTCLVKG FYPSDIAVEW ESNQOPENNY KTTTPVLDS GSFFLYSKLT VDKSRWQQGN VFSCSVMHEA LHNHYTQKSL SLSPGKHHHH HH.</p>		
Formulation	CD36 protein solution (0.5mg/ml) contains phosphate buffered saline (pH7.4) and 10% glycerol.		

Introduction

CD36 is an integral membrane protein found in a variety of cell types of mammals, it is part of the class B scavenger receptor family. In humans it is encoded by the CD36 gene. The protein binds to ligands such as native lipoproteins, collagen, long-chain fatty acids,

Caution: Product has not been fully validated for medical applications. For research use only.

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thrombospondin etc. CD36 plays a crucial role in transporting fatty acids into the cell.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

CD36 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 652 amino acids (30-439a.a.) and having a molecular mass of 73.9kDa. (Molecular size on SDS-PAGE will appear at approximately 70-100kDa). CD36 is expressed with a 242 amino acid hIgG-His tag at C-Terminus and purified by proprietary chromatographic techniques.

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