



Catalog Number: PR27320

Product Type: Recombinant Protein

Source: Sf9, Insect Cells

Amino Acid Sequence: ADLGDLLIQK TIKKQVVLEE GTIAFKNWWK TGTEVYRQFW IFDVQNPQEV MMNSSNIQVK QRGPYTYRVR FLAKENVTQD AEDNTVSFLQ PNGAIFEPSL SVGTEADNFT VLNLAVAAAS HIYQNQFVQM ILNSLINKSK SSMFQVRTLR ELLWGYRDPF LSLVPYPVTT TVGLFYPYNN TADGVYKVFN GKDNIKVAI IDTYKGKRNLSY WESHCDMI NGTDAASFPF FVEKSQVLQF FSSDICRSY AVFESDVNLK GIPVYRFVLP SKAFASPVEN PDNYCFCTEK IISKNCTSYG VLDISKCKEG RPVYISLPHF LYASPDVSEP IDGLNPNEEE HRTYLDIEPI TGFTLQFAKR LQVNLVVKPS EKIQVLKLNK RNYIVPILWL NETGTIGDEK ANMFRSQVTG KINLEPKSCD KTHTCPPCPA PELLGGPSVF LFPPKPKDTL MISRTPEVTC VVVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR VVSVLTVLHQ DWLNGKEYKC KVSNAKALPAP IEKTISKAKG QPREPQVYTL PPSRDELTKN QVSLTCLVKG FYPSDIAVEW ESNGQPENNY KTTTPVLDSG GSFFLYSKLT VDKSRWQQGN VFSCSVMHEA LHNHYTQKSL SLSPGKHHHH HH.

Description/Molecular Mass: CD36 is an integral membrane protein found in a variety 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, thrombospondin etc. CD36 plays a crucial role in transporting fatty acids into the cell.

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 hlgG-His tag at C-Terminus and purified by proprietary chromatographic techniques.

Purity: Greater than 85.0% as determined by:
(a) Analysis by SDS-PAGE.

Format: CD36 protein solution (0.5mg/ml) contains phosphate buffered saline (pH7.4) and 10% glycerol.

Storage: 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.

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