

Human CD36 (AA 104-294) Recombinant Protein

PX-P1061-10

DESCRIPTION

CD36 is an integral membrane glycoprotein that has many physiological functions; it is a protein that in humans is encoded by the CD36 gene. As a part of the scavenger receptor family, CD36 is a multi-ligand pattern recognition receptor that binds multiples ligands including long chain fatty acid (LCFA), oxidized low-density lipoproteins (oxLDLs), high density lipoprotein (HDL), phosphatidylserine, apoptotic cells, collagens I and IV, and Plasmodium falciparum-infected erythrocytes etc. CD36 plays a role in the initiation and pathogenesis of chronic inflammatory diseases such as Alzheimer's disease and atherosclerosis.

OVERVIEW

SIZE	10 ug
ORIGIN SPECIES	Human
FRAGMENT	Partial
PROTEIN DELIVERED WITH TAG	Yes
MOLECULAR WEIGHT WITH TAG IF ANY	22,73 kDa
DELIVERY CONDITION	Dry Ice

PRODUCT INFORMATION

EXPRESSION SYSTEM	Prokaryotic expression
HOST	E.coli
PURITY	0,8
PROTEIN ACCESSION	AAA16068.1
FORM	liquid
BUFFER	PBS, imidazole 300mM, Urea 8M, pH7.4
STABILITY & STORAGE	4°C for short term (1 week), -20°C or -80°C for long term (avoid freezing/thawing cycles; addition of 20-40% glycerol improves cryoprotection)

MORE INFO

GENE ID	948
SWISSPROTID	P16671
UNIPROT ID	P16671
UNIPROT LINK	http://www.uniprot.org/uniprot/P16671
NCBI GENE ALIASES	CHDS7, GPIV, PASIV, FAT, SCARB3, GP3B, BDPLT10, GP4
SYNONYMS	CD36 (AA 104-294), antigen CD36, Platelet glycoprotein 4, Fatty acid translocase, FAT, Glycoprotein IIIb, GPIIB, Leukocyte differentiation antigen CD36, PAS IV, PAS-4, Platelet collagen receptor, Platelet glycoprotein IV, GPIV, Thrombospondin receptor, CD_antigen: CD36, GP3B, GP4

PROTEIN SEQUENCE

MAHNHRHKHKLQDAEDNTVSFLQPNGAIFEPSLSVGTEADNFTVLNLAVAAASHIQNQFVQMILNSLINKSKSSMFQV
RTLRELLWGYRDPFLSLVPYPVTTTTVGLFYYPYNNADGVYKVFNGKDNISKVAIIDTYKGKRNLSEWESHCDMINGTDA
SFPPFVEKSQVLQFFSSDICRSIYAVFESDVNLKGIPVYRF

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