CD316/IGSF8 Protein, Human (552a.a, HEK293, His)

Cat. No.:	HY-P72736
Synonyms:	Immunoglobulin superfamily member 8; EWI-2; KCT-4; LIR-D1; PGRL; CD316; IGSF8
Species:	Human
Source:	HEK293
Accession:	Q969P0 (R28-T579)
Gene ID:	93185
Molecular Weight:	70-85 kDa

PROPERTIES

AA Sequence

R E V L V P E G P L Y R V A G T A V S I S C N V T G Y E G P A Q Q N F E W F L Y
R P E A P D T A L G I V S T K D T Q F S Y A V F K S R V V A G E V Q V Q R L Q G
D A V V L K I A R L Q A Q D A G I Y E C H T P S T D T R Y L G S Y S G K V E L R
V L P D V L Q V S A A P P G P R G R Q A P T S P P R M T V H E G Q E L A L G C L
A R T S T Q K H T H L A V S F G R S V P E A P V G R S T L Q E V V G I R S D L A
V E A G A P Y A E R L A A G E L R L G K E G T D R Y R M V V G G A Q A G D A G T
Y H C T A A E W I Q D P D G S W A Q I A E K R A V L A H V D V Q T L S S Q L A V
T V G P G E R R I G P G E P L E L L C N V S G A L P P A G R H A A Y S V G W E M
A P A G A P G P G R L V A Q L D T E G V G S L G P G Y E G R H I A M E K V A S R
T Y R L R L E A A R P G D A G T Y R C L A K A Y V R G S G T R L R E A A S A R S
R P L P V H V R E E G V V L E A V A W L A G G T V Y R G E T A S L L C N I S V R
G G P P G L R L A A S W W V E R P E D G E L S S V P A Q L V G G V G Q D G V A E
L G V R P G G G P V S V E L V G P R S H R L R L H S L G P E D E G V Y H C A P S
A W V Q H A D Y S W Y Q A G S A R S G P V T V Y P Y M H A L D T

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The CD316/IGSF8 protein appears to play a key role in diverse functions associated with CD81 and CD9, such as oocyte fertilization and the function of the hepatitis C virus. Additionally, it may regulate the proliferation and differentiation of keratinocytes, acting as a negative regulator of cell motility. CD316/IGSF8 has been found to suppress T-cell mobility in coordination with CD81, associate with CD82 to suppress prostate cancer cell migration, and regulate epidermoid cell reaggregation and motility on laminin-5, with CD9 and CD81 acting as key linkers in these processes. Furthermore, CD316/IGSF8 may be involved in integrin-dependent morphology and motility functions and participate in the regulation of neurite outgrowth, contributing to the maintenance of the neural network in the adult brain. Its direct interactions with CD82, CD81/tetraspanin-28, and CD9/tetraspanin-29, as well as its interactions with integrin alpha-3/beta-1 and integrin alpha-4/beta-1, underscore the complex molecular associations that contribute to its multifaceted roles in various cellular processes.

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

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA