CD316/IGSF8 Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P76984
Synonyms:	Immunoglobulin superfamily member 8; EWI-2; KCT-4; LIR-D1; PGRL; CD316; IGSF8
Species:	Mouse
Source:	HEK293
Accession:	Q8R366 (M1-T577)
Gene ID:	140559
Molecular Weight:	Approximately 80 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
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.
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 pivotal role in a variety of functions attributed to CD81 and CD9, such as oocyte fertilization and potential involvement in hepatitis C virus function. Additionally, it is implicated in regulating the proliferation and differentiation of keratinocytes and may act as a negative regulator of cell motility, suppressing T-cell mobility in coordination with CD81, associating with CD82 to suppress prostate cancer cell migration, and regulating epidermoid cell reaggregation and motility on laminin-5 with CD9 and CD81 as crucial linkers. CD316/IGSF8 might also contribute to integrin-dependent morphology and motility functions, participating in the regulation of neurite outgrowth and the maintenance of the neural network in the adult brain. Interactions with CD82, CD9/tetraspanin-29, integrin alpha-3/beta-1, and integrin alpha-4/beta-1 are suggested, with additional participation in a complex composed of CD9, PTGFRN, and CD81. Furthermore, direct interaction with CD81/tetraspanin-28 is noted, emphasizing the intricate network of associations that define the diverse roles of CD316/IGSF8 in 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