PVR/CD155 Protein, Human (HEK293, His)

Cat. No.:	HY-P70807
Synonyms:	Poliovirus Receptor; Nectin-Like Protein 5; NECL-5; CD155; PVR; PVS
Species:	Human
Source:	HEK293
Accession:	NP_006496 (W21-N343)
Gene ID:	5817
Molecular Weight:	Approximately 58.0 kDa

PROPERTIES

AA Sequence	W P P P G T G D V V V Q A P T Q V P G F L G D S V T L P C Y L Q V P N M E V T H V S Q L T W A R H G E S G S M A V F H Q T Q G P S Y S E S K R L E F V A A R L G A E L R N A S L R M F G L R V E D E G N Y T C L F V T F P Q G S R S V D I W L R V L A K P Q N T A E V Q K V Q L T G E P V P M A R C V S T G G R P P A Q I T W H S D L G G M P N T S Q V P G F L S G T V T V T S L W I L V P S S Q V D G K N V T C K V E H E S F E K P Q L L T V N L T V Y Y P P E V S I S G Y D N N W Y L G Q N E A T L T C D A R S N P E P T G Y N W S T T M G P L P P F A V A Q G A Q L L I R P V D K P I N T T L I C N V T N A L G A R Q A E L T V Q V K E G P P S E H S G M S R N
Biological Activity	Immobilized Human TIGIT-Fc at 5μg/mL (100 μL/well) can bind PVR/CD155 Protein, Human (HEK 293, His) and the ED_{50} is 10-30 ug/mL.
Appearance	Solution.
Formulation	Supplied as a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	N/A
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	PVR/CD155, also known as the human poliovirus receptor (PVR) is a member of the subfamily of immunoglobulin (Ig)-like

molecules composed of an N-terminal variable-like, followed by two constant-like extracellular domains, a single transmembrane region and a cytoplasmic tail of variable length. CD155 binds the extracellular matrix protein vitronectin thereby mediating cell to matrix contacts. The cytoplasmic tail of CD155 interacts with the μ1B subunit of the clathrin adaptor complex resulting in directed transport of CD155 in polarized epithelial cells[1][2].

REFERENCES

[1]. Mandai K, et, al. Nectins and nectin-like molecules in development and disease. Curr Top Dev Biol. 2015;112:197-231.

[2]. Ravens I, et, al. Characterization and identification of Tage4 as the murine orthologue of human poliovirus receptor/CD155. Biochem Biophys Res Commun. 2003 Dec 26;312(4):1364-71.

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