

PVR/CD155 Protein, Human (HEK 293, His)

Cat. No.:	HY-P70807
Synonyms:	Poliovirus Receptor; Nectin-Like Protein 5; NECL-5; CD155; PVR; PVS
Species:	Human
Source:	HEK293
Accession:	P15151 (W21-N343)
Gene ID:	5817
Molecular Weight:	Approximately 58.0 kDa

PROPERTIES

AA Sequence	<pre> 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 </pre>
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 µg/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.
Reconstitution	N/A
Storage & Stability	Stored at -80°C. 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
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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 μ 1B 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.

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

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