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## Product Data Sheet

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Product Name: PVR Human  
 Cat. No.: GP24276  
 Batch No.: 1

### Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Poliovirus receptor; Nectin-like protein 5; NECL-5; CD155; PVR; PVS.		
Amino Acid Sequence	WPPPGTGDVV VQAPTQVPGF LGDSVTLPCY LQVPNMEVTH VSQLTWARHG ESGSMAVFHQ TQGPSYSESK RLEFVAARLG AELRNASLRM FGLRVEDEGN YTCLFVTFPQ GRSVDIWLR VLAKPQNTAE VQKVQLTGEP VPMARCVSTG GRPPAQITWH SDLGGMPNTS QVPGFLSGTV TVTSLWILVP SSQVDGKNVT CKVEHESFEK PQLLTVNLTV YYPPEVSISG YDNNWYLGQN EATLTCDARS NPEPTGYNWS TTMGPLPPFA VAQGAQLLIR PVDKPINTTL ICNVTNALGA RQAELTVQVK EGPPSEHSGM SRNLEHHHHH H		
Formulation	PVR protein solution (1mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

### Introduction

Poliovirus receptor, also known as PVR, is a Type I transmembrane glycoprotein which belongs to the immunoglobulin superfamily. PVR catalyzes a big structural modification in the virus which exposes membrane-binding protein chains. PVR regulates helper T cell differentiation as well as allergic diseases. PVR is expressed in many kinds of human cells and has various functions. PVR is potentially functional as a biomarker for cancer development as well as progression. PVR takes a vital part through both immunological & non-immunological mechanisms in pancreatic cancer.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

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

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PVR Human Recombinant produced in Sf9 Insect cells is a single, glycosylated polypeptide chain containing 331 amino acids (21-343 a.a.) and having a molecular mass of 36.1kDa (Molecular size on SDS-PAGE will appear at approximately 40-57kDa). PVR is expressed with an 8 amino acids His tag at C-Terminus and purified by proprietary chromatographic techniques.

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