
Product Data Sheet

Product Name: VTCN1 Human, Sf9
 Cat. No.: GP25007
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	V-set domain-containing T-cell activation inhibitor 1; B7 homolog 4; B7-H4; B7h.5; Immune costimulatory protein B7-H4; Protein B7S1; T-cell costimulatory molecule B7x; B7H4; VTCN1; B7S1; B7X; PRO1291; RP11-229A19.4.		
Amino Acid Sequence	ADPLIIGFGI SGRHSITVTT VASAGNIGED GILSCTFEPD IKLSDIVIQW LKEGVLGLVH EFKEGKDELS EQDEMFRGRT AVFADQVIVG NASLRLKNVQ LTDAGTYKCY IITSKGKGNA NLEYKTGAFS MPEVNVDYNA SSETLRCEAP RWFPQPTVWV ASQVDQGANF SEVSNTSFEL NSENVTMKVV SVLYNVTINN TYSCMIENDI AKATGDIKVT ESEIKRRSHL QLLNSKASHH HHHH.		
Formulation	VTCN1 protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.		

Introduction

V-Set Domain Containing T Cell Activation Inhibitor 1, also known as VCTN1, is part of the B7 costimulatory protein family. Proteins in this family are located on the surface of antigen-presenting cells and interact with ligand bound to receptors on the surface of T cells. High level of the encoded protein has been associated with tumor progression. VCTN1 also takes part in promoting epithelial cell transformation.

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

VTCN1 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated

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

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polypeptide chain containing 244 amino acids (25-259a.a.) and having a molecular mass of 26.9kDa (Molecular size on SDS-PAGE will appear at approximately 28-40kDa). VTCN1 is expressed with a 9 amino acids His tag at C-Terminus and purified by proprietary chromatographic techniques.

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