
Product Data Sheet

Product Name: VTCN1 Human
 Cat. No.: GP25006
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
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	MGSSHHHHHH SGLVPRGSH MGSLIIGFGI SGRHSITVTT VASAGNIGED GILSCTFEPD IKLSDIVIQW LKEGVLGLVH EFKEGKDELS EQDEMFRGRT AVFADQVIVG NASLRLKNVQ LTDAGTYKCY IITSKGKGNA NLEYKTGAFS MPEVNVDYNA SSETLRCEAP RWFPQPTVWASQVDQGANF SEVSNTSFEL NSENVTMKVV SVLYNVTINN TYSCMIENDI AKATGDIKVT ESEIKRRSHL QLLNSKAS.		
Formulation	The VTCN1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M UREA 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

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

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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VTCN1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 258 amino acids (25-259) and having a molecular mass of 28.2 kDa. VTCN1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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