

Recombinant human VTCN1, His-tagged

Cat. No. VTCN1-2478H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant human VTCN1 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Species Human

Source E.coli

Description The VTCN1 is a protein belonging to the B7 costimulatory protein family. Proteins in this family are present on the surface of antigen-presenting cells and interact with ligand bound to receptors on the surface of T cells. Studies have shown that high levels of the encoded protein has been correlated with tumor progression. A pseudogene of this gene is located on chromosome 20. Multiple transcript variants encoding different isoforms have been found for this gene.

Form Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol

Molecular Mass 28.2kDa (258aa)

AA Sequence
 MGSSHHHHHH SSGLVPRGSH MGSLIIGFGI SGRHSITVTT VASAGNIGED
 GILSCTFEPD IKLSDIVIQW LKEGVLGLVH EFKEGKDELSEQDEMFRGRT
 AVFADQVIVG NASLRLKNVQ LTDAGTYKCY IITSKGKGNA NLEYKTGAFS
 MPEVNVVDYNA SSETLRCEAP RWFPQPTVVW ASQVDQGANF SEVSNTSFEL
 NSENVTMKVV SVLYNVTINN TYSCMIENDI AKATGDIKVT ESEIKRRSHL
 QLLNSKAS

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Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	1.0mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name	VTCN1 V-set domain containing T cell activation inhibitor 1 [Homo sapiens]
Official Symbol	VTCN1
Synonyms	VTCN1; V-set domain containing T cell activation inhibitor 1; V-set domain-containing T-cell activation inhibitor 1; B7 family member; H4; B7 superfamily member 1; B7 H4; B7H4; B7S1; B7X; FLJ22418; B7 family member, H4; T cell costimulatory molecule B7x; T-cell costimulatory molecule B7x; immune costimulatory protein B7-H4; B7-H4; B7h.5; VCTN1; PRO1291; RP11-229A19.4;
Gene ID	79679
mRNA Refseq	NM_001253849
Protein Refseq	NP_001240778
MIM	608162
UniProt ID	Q7Z7D3

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Chromosome Location	1p12
Function	receptor binding;

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