

Recombinant human B7-H4 protein

Catalog Number: ATGP2478

PRODUCT INFORMATION

Expression system

E.coli

Domain

25-259aa

UniProt No.

Q7Z7D3

NCBI Accession No.

NP_078902

Alternative Names

V-set domain containing T cell activation inhibitor 1, B7-H4, B7h.5, B7H4, B7S1, B7X, PRO1291, RP11-229A19.4, VCTN1

PRODUCT SPECIFICATION

Molecular Weight

28.2 kDa (258aa)

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M uREA, 10% glycerol

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

The VCTN1 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. Recombinant human VTCN1 protein, fused to His-tag at N-terminus, was

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expressed in E. coli.

Amino acid Sequence

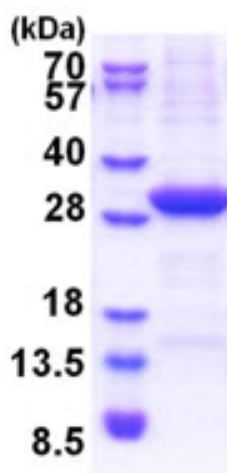
MGSSHHHHHHH SGLVPRGSH MGSLIIGFGI SGRHSITVTT VASAGNIGED GILSCTFEPD IKLSDIVIQW LKEGVLGLVH
EFKEGKDELS EQDEMFRGRT AVFADQVIVG NASLRLKNVQ LTDAGTYKCY IITSKGKGNA NLEYKTGAFS MPEVNVVDYNA
SSETLRCEAP RWFPOPTVVW ASQVDQGANF SEVSNTSFEL NSENVTMKVW SVLYNVTINN TYSCMIENDI AKATGDIKVT
ESEIKRRSHL QLLNSKAS

General References

Fauci, J.M., et al. (2012) *Gynecol. Oncol.* 127 (2), 420-425
Galazka, K., et al. (2012) *Am. J. Reprod. Immunol.* 68 (1), 85-93

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)