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

expressed in E. coli.

Amino acid Sequence

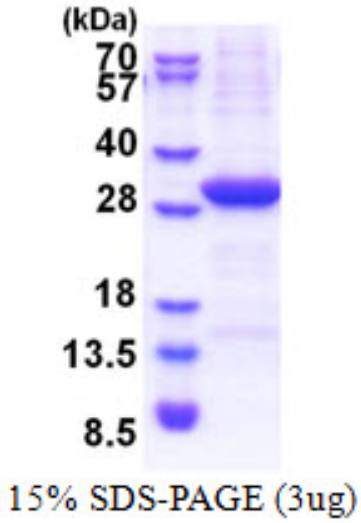
MGSSHHHHHH SSGLVPRGSH MGSLIIGFGI SGRHSITVTT VASAGNIGED GILSCTFEPD IKLSDIVIQW LKEGVLGLVH EFKEGKDELS EQDEMFRGRT AVFADQVIVG NASLRLKNVQ LTDAGTYKCY IITSKGKGNA NLEYKTGAFS MPEVNVDYNA SSETLRCEAP RWFPQPTVVW ASQVDQGANF SEVSNTSFEL NSENVTMKVV SVLYNVTINN TYSCMIENDI AKATGDIKVT ESEIKRRSHL QLLNSKAS

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



15% SDS-PAGE (3ug)

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