Recombinant human B7-H4 protein

Catalog Number: ATGP3607

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
25-259aa

UniProt No.
Q7Z7D3

NCBI Accession No.
NP_078902.2

Alternative Names
V-set domain-containing T-cell activation inhibitor 1 isoform 1, VTCN1, B7-H4, B7h.5, B7H4, B7S1, B7X, PRO1291

PRODUCT SPECIFICATION

Molecular Weight
26.9 kDa (244aa)

Concentration
0.25mg/ml (determined by absorbance at 280nm)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

Purity
> 90% by SDS-PAGE

Endotoxin level
< 1 EU per 1ug of protein (determined by LAL method)

Tag
His-Tag

Application
SDS-PAGE

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
VTCN1, also known as v-set domain-containing T-cell activation inhibitor 1 isoform 1, is a member of the costimulatory B7 family. It has been found to be widely expressed in many kinds of tumor tissues and to play an important part in tumor progression and poor prognosis. It serves a critical role in the negative regulation of T cell-mediated antitumor immune responses. It facilitates proliferation of esophageal squamous cell carcinoma

Recombinant human B7-H4 protein

Catalog Number: ATGP3607

cells through promoting interleukin-6/signal transducer and activator of transcription 3 pathway activation. Recombinant human VTCN1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

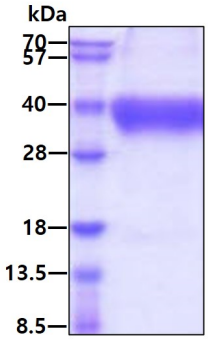
<ADP>LIIGFGI SGRHSITVTT VASAGNIGED GILSCTFEPD IKLSDIVIQW LKEGVLGLVH EFKEGKDELS EQDEMFRGRT AVFADQVIVG NASLRLKNVQ LTDAGTYKCY IITSKGKGNA NLEYKTGAFS MPEVNVDYNA SSETLRCEAP RWFPQPTVVW ASQVDQGANF SEVSNTSFEL NSENVTMKVV SVLYNVTINN TYSCMIENDI AKATGDIKVT ESEIKRRSHL QLLNSKAS<HH HHHH>

General References

Zeng S., et al. (2016) Mol Biol. 50:1007-1013.
Chen X., et al. (2016) Cancer Sci. 107:944-954.

DATA

SDS-PAGE



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