

Recombinant mouse HVEM/TNFRSF14 protein

Catalog Number: ATGP3916

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

39-206aa

UniProt No.

Q80WM9

NCBI Accession No.

NP_849262.1

Alternative Names

Tumor necrosis factor receptor superfamily member 14, Herpes virus entry mediator A, Herpesvirus entry mediator A, HveA, Tumor necrosis factor receptor-like 2, TR2, CD270, HVEM, ATAR, LIGHTR

PRODUCT SPECIFICATION

Molecular Weight

45.3 kDa (407aa)

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

hIgG-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

HVEM/TNFRSF14, also known as tumor necrosis factor receptor superfamily member 14, is a member of TNF receptor superfamily. This protein was originally known as herpesvirus entry mediator A (HveA); HveB and HveC are structurally unrelated proteins of the immunoglobulin superfamily. The cytoplasmic region of this receptor

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was found to bind to several TNF receptor associated factor (TRAF) family members, which may mediate the signal transduction pathways that activate the immune response. It promotes and inhibits T cell activity. This protein signals via the TRAF2-TRAF3 E3 ligase pathway to promote immune cell survival and differentiation. It participates in cell to cell contact signaling between antigen presenting cells and lymphocytes. This protein downregulates CD28 costimulatory signaling, restricting memory and alloantigen-specific immune response. Recombinant mouse HVEM/TNFRSF14, fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

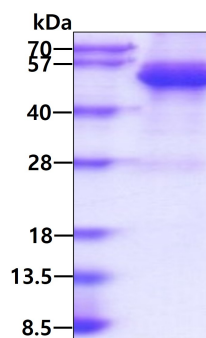
QPSCRQEEFL VGDECCPMCN PGYHVKQVCS EHTGTVCAPC PPQYTAHAN GLSKCLPCGV CDPDMGLLTW
 QECSSWKDTV CRCIPGYFCE NQDGSHCSTC LQHTTCPGQ RVEKRGTHDQ DTVCADCLTG TFSLGGTQEE CLPWTNCSAF
 QQEVRRTNS TDTTCSSQ<LE PKSCDKTHC PPCAPELLG GPSVFLFPPK PKDTLMISRT PEVTCVVVDV SHEDPEVKFN
 WYVDGVEVHN AKTKPREEQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK ALPAPIEKTI SKAKGQPREP QVYTLPPSRD
 ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ PENNYKTPP VLDSGDGSFFL YSKLTVDKSR WQQGNVFSCS VMHEALHNHY
 TQKSLSLSPG KHHHHHH>

General References

Choi EK., et al. (2013) J Endocrinol. 220:25-33.
 Kotsiou E., et al. (2018) Blood. 128:72-81.

DATA

SDS-PAGE



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