Recombinant mouse HVEM/TNFRSF14 protein

Catalog Number: ATGP3916

PRODUCT INFORMATION

Expression system
Baculovirus

Domain
39-206aa

UniProt No.
Q80WM9

NCBI Accession No.
NP_849262

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 hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Amino acid Sequence

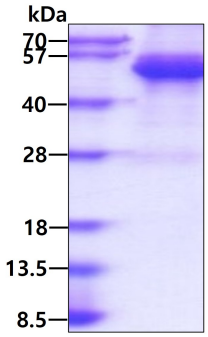
QPSCRQEEFL VGDECCPMCN PGYHVKQVCS EHTGTVCAPC PPQTYTAHAN GLSKCLPCGV CDPDMGLLTW QECSSWKDTV CRCIPGYFCE NQDGSHCSTC LQHTTCPPGQ RVEKRGTHDQ DTVCADCLTG TFSLGGTQEE CLPWTNCSAF QQEVRRGTNS TDTTCSSQ<LE PKSCDKTHTC PPCPAPELLG GPSVFLFPPK PKDTLMISRT PEVTCVVVDV SHEDPEVKFN WYVDGVEVHN AKTKPREEQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK ALPAPIEKTI SKAKGQPREP QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ PENNYKTTPP VLDSDGSFFL 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.