



Recombinant Mouse HVEM Fc-Fusion Protein

Cat No: Pr00223-1.9

Product Summary

Description: Recombinant mouse HVEM Fc-Fusion Protein manufactured using [AbAb's Recombinant Platform](#)

Protein: Mouse HVEM

Fc domain: Mouse IgG1

Structure / Form: Disulfide-linked homodimer

Species: Mouse

Construct Design Note(s): The extracellular domain of HVEM has been fused to the Fc domain of mouse IgG1.

Host: HEK293

UniProt Accession Number: Q71F55

Alternative Description: Herpes virus entry mediator; Tumor necrosis factor receptor superfamily, member 14 (Herpesvirus entry mediator); Tumor necrosis factor receptor superfamily, member 14 (Herpesvirus entry mediator), isoform CRA_c; HVEM-Ig; HVEM-Fc chimera; HVEM (Fc tag)

Published Application(s):

Tested Applications(s):

Activity: Herpesvirus entry mediator (HVEM) is a member of the TNF-receptor superfamily, identified as a cellular mediator of herpes simplex virus (HSV) entry, where it binds HSV viral envelope glycoprotein D during viral entry. The cytoplasmic region of this protein binds to several TRAF members, perhaps mediating signal transduction pathways to activate an immune response [NCBI Entrez Gene Entry]. In melanocytic cells TNFRSF14 gene expression may be regulated by MITF [PMID: 19067971] and has been recurrently associated with diffuse large B-cell lymphoma [PMID: 21796119, 22343534].

Product Form

Purification: IMAC purified

Supplied in: 0.1 mg size: PBS with preservative (0.02% Proclin 300), 1 mg size: PBS only.

Endotoxin: <1.0 EU/mg

Shipping: The product is shipped on blue ice. Upon receipt, store it immediately at the temperature recommended.

Storage Recommendation: Store at 4°C for up to 1 month. For longer term storage aliquot in small volumes and store at -20°C. Avoid repeated freeze-thaw cycles.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals

SDS PAGE Purity: >95%, as determined by SDS-PAGE and visualized by Coomassie Brilliant Blue.

Fc-Fusion Sequence (monomer)

QPSCRQEEFLVGDECCPMCNPGYHVKQVCSEHTGTVCAPCPPQTYTAHANGLSKCLPCGVCDPDMGLLTWQECSS
WKDTVCRCPGYFCENQDGS HCSTCLQHTTCPPGQRVEKRGTHDQDTV CADCLTGTFSLGGTQEECLPWTNCSAFQQ
EVRRGTNSTDTCSSQVGGGGSVPRDQGCKPCICTVPEVSSVFIFPPKPKDVLITLTPKVT CVVVDISKDDPEVQFSW
FVDDVEVHTAQTKPREEQINSTFRSVSELPIMHQDWLNGKEFKCRVNSAAFPAPIEKTISKTKGRPKAPQVYTIPPPKE
QMAKDKVSLTCMITNFFPEDITVEWQWNGQPAENYKNTQPIMDTDGSYFVYSKLVQKSNWEAGNTFTCSVLHEGLH
NHHTEKSLSHSPGKHHHHHH

Underlined amino acids sequence include a G4S linker and 6xHis epitope tag, respectively.

Calculated Molecular weight (dimer): 90288 Da

Extinction coefficient: 113360 (calculation performed as described by Pace *et al.* (1995), PMID: 8563639).

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