

PRODUCT INFORMATION

Target BILF1

Synonyms GPCR BILF1∏BLIF

Recombinant EBVB9 BILF1 Protein with C-terminal **Description**

human Fc tag

Delivery In Stock **Uniprot ID** P03208 **Expression Host HEK293**

Tag C-Human Fc tag

Molecular

BILF1(Met1-Ser37) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of **Molecular Weight** 29.9 kDa after removal of the signal peptide.

The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before

Formulation & lyophilization. Please see Certificate of Analysis Reconstitution

for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

BILF1 is a G-protein coupled receptor (GPCR) encoded by Epstein-Barr virus (EBV) and some related γ-herpesviruses. It functions as a viral GPCR homolog, mimicking host chemokine receptors. BILF1 constitutively activates Gαi signaling, leading to inhibition of cAMP accumulation and modulation of downstream

Background pathways such as MAPK/ERK and NF-κB, thereby promoting cell survival and immune evasion. It

can downregulate MHC class I molecules, reducing antigen presentation to cytotoxic T cells. Through these activities, BILF1 contributes to viral persistence and oncogenic transformation in EBV-

Email: info@dimabio.com Website: www.dimabio.com

associated malignancies.

Usage Research use only

Conjugate Unconjugated





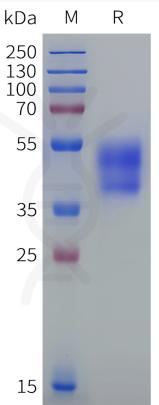


Figure 1. EBVB9 BILF1 Protein, hFc Tag on SDS-PAGE under reducing condition.

Email: info@dimabio.com Website: www.dimabio.com

