

Product datasheet for **TP727062**

Rhesus Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Rhesus Macaque HVEM (C-6His)
Species:	Rhesus
Expression cDNA Clone or AA Sequence:	Leu39-Val203
Tag:	C-6His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS,pH7.4.
Note:	Recombinant Rhesus macaque TNFRSF14 is produced by our expression system and the target gene encoding Leu39-Val203 is expressed
Stability:	12 months from date of despatch
Summary:	Herpesvirus entry mediator (HVEM) is a type I membrane protein in the TNF receptor superfamily, and it can both promote and inhibit T cell activity. It functions as a receptor for BTLA, CD160, LIGHT/TNFSF14, and Lymphotoxin-alpha. Ligation of HVEM by LIGHT triggers T cell, monocyte, and neutrophil activation and contributes to Th1 inflammation and cardiac allograft rejection. In contrast, HVEM binding to CD160 or BTLA suppresses T cell and dendritic cell activation and dampens intestinal inflammation. HVEM enhances the development of CD8+ T cell memory and Treg function. It is additionally expressed on intestinal epithelial cells, where its binding by intraepithelial lymphocyte (IEL) expressed CD160 promotes epithelial integrity and host defense.



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