

Recombinant Human Herpesvirus 1 US12 Protein (1-88 aa), His-tagged

Cat. No. US12-2571H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Herpesvirus 1 (strain 17) (HHV-1) (Human herpes simplex virus 1) US12 Protein (1-88 aa) is produced by E. coli expression system. This protein is fused with a 10xHis tag at the N-terminal. Protein Description: Full Length.
Species	Human Herpesvirus 1
Source	E.coli
ProteinLength	1-88 aa
Description	Plays a role in the inhibition of host immune response. Binds specifically to transporters associated with antigen processing (TAP), thereby blocking peptide-binding and translocation by TAP as well as subsequent loading of peptides onto MHC class I molecules. pty MHC I molecules are retained in the endoplasmic reticulum and ultimately directed to proteasomal degradation. In consequence, infected cells are masked for immune recognition by cytotoxic T-lymphocytes.
Form	Tris-based buffer,50% glycerol
Molecular Mass	13.3 kDa
AA Sequence	MSWALEMADTFLDTMRVGPRTYADVRDEINKRGREDREAARTAVHDPERPLLRSP GLLPEIAPNASLGVAHRRRTGGTVTDSPRNPVTR

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 85% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

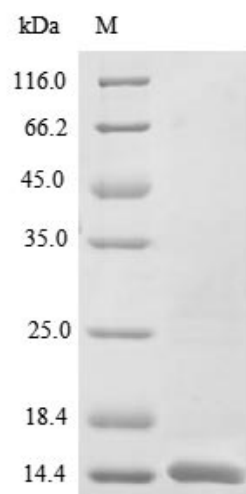
GENE INFORMATION

Gene Name	US12 TAP transporter inhibitor ICP47 [Human alphaherpesvirus 1 (Herpes simplex virus type 1)]
Official Symbol	US12
Synonyms	US12;
Gene ID	2703441
Protein Refseq	YP_009137148
UniProt ID	P03170

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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