

## U24 Protein, HHV-6 variant B (Cell-Free, His)

Cat. No.:	HY-P702483
Synonyms:	U24 protein
Species:	Virus
Source:	E. coli Cell-free
Accession:	Q9QJ42 (M1-K88)
Gene ID:	1497025
Molecular Weight:	16.2 kDa

### PROPERTIES

AA Sequence	<p>MDRPRTPPPS YSEVLMMDVM YGQVSPHASN DTSFVECLPP</p> <p>PQSSRS AWNL WNKRRTFAF LVL TGLAIAM ILFIAFVIYV</p> <p>FNVNRRKK</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 $\mu$ m filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/ $\mu$ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add 5-50% of glycerol (final concentration). Our default final concentration of glycerol is 50%. Customers could use it as reference.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

Background	<p>The U24 protein, identified for its pivotal role in immune evasion, exerts regulatory control over host T-cells by down-regulating the TCR/CD3E complex and the transferrin receptor TFRC. This inhibition is achieved by impeding their recycling to the cell surface. U24 further engages with host ITCH, likely facilitating the degradation of ITCH, thus implicating its involvement in immune response modulation. Additionally, the protein is presumed to interact with NEDD4, underscoring its multifaceted interactions with key cellular components. These findings underscore the intricate mechanisms employed by U24 to subvert the host immune system, emphasizing its significance in viral immune evasion strategies.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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