

U12 Protein, HHV-6 variant A (Cell-Free, His)

Cat. No.:	HY-P702480
Synonyms:	G-protein coupled receptor homolog U12
Species:	Virus
Source:	E. coli Cell-free
Accession:	P52380 (M1-L347)
Gene ID:	/
Molecular Weight:	42.6 kDa

PROPERTIES

AA Sequence	<pre> MDTVIELSKL QFKGNASCTS TPTLK TARIM ESAVTGITLT TSIPMIIIVV TTMILYHRVA KHNATSFYVI TLFASDFVLM WCVFFMTVNR KQLFSFNRF CQLVYFIYHA VCSYSISMLA IIATIRYKTL HRRKKTESKT SSTGRNIGIL LLASSMCAIP TALFVKTNMG KKTGKCVVYI SSKKAYELFL AVKIVFSFIW GVLPTMVFSF FYVIFCKALH DVTEKKYKKT LFFIRILLLS FLLIQIPYIA ILICEIAFLY MPQNTCFWLA RVEILQLIIR LMPQVHCFSN PLVYAFTGGE LRNRFTACFQ SFFPKTLCST QKRKDS DASE HDQNSKSKAS VEKNQPL </pre>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ 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	The U12 protein emerges as a probable G-protein coupled receptor, hinting at its potential role in cellular signaling and responses. The designation as a G-protein coupled receptor suggests that U12 is likely involved in transducing signals across
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the cell membrane, pointing towards its significance in mediating various cellular processes. The precise ligands and downstream signaling pathways associated with U12 remain to be elucidated, but its classification as a G-protein coupled receptor implies a capacity for diverse regulatory functions within the cellular milieu. Further exploration of U12's functional properties and interactions will provide valuable insights into its role in cellular signaling and potential contributions to physiological processes.

Caution: Product has not been fully validated for medical applications. For research use only.

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