

## HHLA2 Protein, Human (HEK293, His)

Cat. No.:	HY-P76971
Synonyms:	HERV-H LTR-associating protein 2; Human endogenous retrovirus-H long terminal repeat-associating protein 2
Species:	Human
Source:	HEK293
Accession:	Q9UM44/NP_009003.1 (I23-N344)
Gene ID:	11148
Molecular Weight:	Approximately 38.4 kDa.

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 $\mu$ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
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.
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 HHLA2 protein, a pivotal player in immune regulation, engages in a significant interaction with TMIGD2 to provide costimulation to T-cells during T-cell receptor (TCR)-mediated activation. This interaction, in turn, amplifies T-cell proliferation and cytokine production through an AKT-dependent signaling cascade. The collaboration between HHLA2 and TMIGD2 underscores the intricate molecular mechanisms involved in enhancing T-cell responses, shedding light on its role in immune modulation.
------------	---

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA