HLA-A*0101 MAGE-A3 Complex Tetramer Protein, Human (EVDPIGHLY, HEK293, His-Avi)

Cat. No.:	HY-P700936
Synonyms:	MAGE family member A3; HIP8; HYPD; CT1.3; MAGE3; MAGEA6
Species:	Human
Source:	HEK293
Accession:	Q5SUL5 (G25-T305)&P61769 (I21-M119)&EVDPIGHLY
Gene ID:	3105&567
Molecular Weight:	260-265 kDa under Non reducing (N) condi

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/μg, determined by LAL method.
Reconsititution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH_2O.
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 HLA-A*0201 HBV Complex Tetramer Protein is a member of the major histocompatibility complex (MHC) class I family, integral to the immune system's ability to recognize and respond to foreign antigens. As part of this family, the protein is involved in presenting viral peptides derived from hepatitis B virus (HBV) to cytotoxic T cells, contributing to the immune response against HBV infection. The MHC class I pathway, in which this protein participates, plays a crucial role in the surveillance and elimination of infected or aberrant cells by the immune system. The specific interaction of HLA-A*0201 with HBV-derived peptides underscores its significance in adaptive immunity, highlighting its role in antiviral defense mechanisms.

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