

## HLA-A\*0101 DSG3 Complex Protein, Human (NTDNNLAVY, HEK293, His-Avi)

Cat. No.:	HY-P700908
Synonyms:	DSG3; PVA; CDHF6; desmoglein 3; desmoglein-3; cadherin family member 6; pemphigus vulgaris antigen; 130-kD pemphigus vulgaris antigen; 130 kDa pemphigus vulgaris antigen
Species:	Human
Source:	HEK293
Accession:	Q5SUL5 (G25-T305)&P61769 (I21-M119)&YTDNWLAVY
Gene ID:	3105&567
Molecular Weight:	52-62 kDa

### PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 $\mu$ m filtered solution of PBS, pH 7.4. Normally 8% trehalose is added as protectant 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 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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**Caution: Product has not been fully validated for medical applications. For research use only.**

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