

PE-Labeled HLA-A*1101 KRAS Complex Protein, Human (VVGADGVGK, HEK293)

Cat. No.:	HY-P701300
Synonyms:	HLA-A*1101; B2M; KRAS; VVGADGVGK
Species:	Human
Source:	HEK293
Accession:	Q5S3G3 (G25-T305)&P61769 (I21-M119)&VVGADGVGK
Gene ID:	3105&567
Molecular Weight:	55-60 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from 0.22 µm filtered solution of PBS, pH7.4 with trehalose as protectant.
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.
Storage & Stability	Stored at -20°C for 1 year, protect from light. 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*1101 is an integral member of the MHC class I family, playing a critical role in antigen presentation and immune surveillance. Characterized by its association with the HLA-A*1101 allele, this complex protein actively participates in presenting antigenic peptides to cytotoxic T lymphocytes, contributing significantly to the orchestration of immune responses. The PE labeling adds specificity to its antigen-binding capabilities, potentially influencing immune reactions in the context of cancers expressing KRAS antigens. As part of the MHC class I family, the HLA-A*1101 underscores its significance in advancing our understanding of immune processes and holds promise for applications in research focused on antigen presentation and immune system dynamics in the context of KRAS-associated malignancies.
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Caution: Product has not been fully validated for medical applications. For research use only.

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