

HLA-A*02:01&B2M&HIV Gag (SLYNTVATL) Monomer, His & Avi, Human

Cat. No.: Z06562

Product Introduction

Species	Human
Protein Construction	<div style="display: flex; align-items: center; justify-content: space-between;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> HLA-A*02:01&B2M&HIV Gag (SLYNTVATL) Monomer [Gly25-Thr305 (HLA-A*02:01), Ile21-Met119 (B2M) and SLYNTVATL peptide] Accession # A0A140T913(HLA-A*02:01)&P61769(B2M)&SLYNTVATL </div> <div style="background-color: #90c090; padding: 5px; text-align: center;">His</div> <div style="background-color: #4f81bd; padding: 5px; text-align: center;">Avi</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> N-term C-term </div>
Purity	> 95% as determined by BisTris PAGE
Endotoxin Level	Less than 1EU per µg by the LAL method.
Expression System	HEK293
Theoretical Molecular Weight	50.39 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 52-65 kDa based on Bis-Tris PAGE result.
Formulation	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4).
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage & Stability	Upon receiving, the product remains stable for 6 months at -20°C or below. Upon reconstitution, the product should be stable for 3 months at -80°C. Avoid repeated freeze-thaw cycles.

Background

Target Background : Gag is the HIV structural precursor protein which is cleaved by viral protease to produce mature infectious viruses. Gag is a polyprotein composed of MA (matrix), CA (capsid), SP1, NC (nucleocapsid), SP2 and p6 domains. The immunodominant HLA-A2-restricted Gag epitope, SLYNTVATL (SL9), is considered to be a poor immunogen because reactivity to it is rare in acute infection despite its paradoxical dominance in patients with chronic infection.

Synonyms : HIV; HIV Gag; SLYNTVATL

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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