

HLA-A*02:01&B2M&HBV (FLLTRILTI) Monomer Protein, Human, MHC (E. coli, His & Avi)

General Information

Synonyms: MHC;HBV;Hepatitis B virus
Protein Construction: Gly25-Thr305 (HLA-A*02:01), Ile21-Met119 (B2M) and FLLTRILTI peptide
Species: Human
Expression Host: E. coli
Accession: A0A140T913(HLA-A*02:01)&P61769(B2M)&FLLTRILTI
Molecular Weight: 35.6 kDa (HLA-A*02:01) and 11.9 kDa (B2M)

QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it.
Purity: > 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Endotoxin: < 1 EU/μg of the protein as determined by the LAL method.
Formulation: Supplied as 0.22 μm filtered solution in 20 mM Tris, 200 mM NaCl (pH 8.0).

Preparation and Storage

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Hepatitis B virus (HBV), is the leading cause of liver diseases infecting an estimated 240 million persons worldwide. The HBV prevalence rates are variables between different countries, with an high level of endemicity in the south-eastern part of Europe. Seven main HBV-D subgenotypes have been described until now (D1-D7).

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