

HLA-A*11:01&B2M&EGFR WT (KITDFGLAK) Monomer Protein, Human, MHC (E. coli, His & Avi),

General Information

Synonyms: ILAKFLHWL;TERT
Protein Construction: Gly25-Thr305 (HLA-A*11:01), Ile21-Met119 (B2M) and KITDFGLAK peptide
Species: Human
Expression Host: E. coli
Accession: AAV53343.1(HLA-A*11:01)&P61769(B2M)&KITDFGLAK
Molecular Weight: 35.36 kDa (HLA-A*11:01) and 11.9 kDa (B2M)

QC Testing

Biological Activity: Immobilized Biotinylated Human HLA-A*11:01&B2M&EGFR WT (KITDFGLAK) Monomer, His Avi Tag at 2 µg/ml (100 µl/well) on the streptavidin precoated plate (5 µg/ml). Dose response curve for HLA-A*11:01&B2M&EGFR TCR, hFc Tag with the EC50 of 32.6 ng/ml determined by ELISA (QC Test).
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

The human telomerase catalytic subunit human telomerase reverse transcriptase (hTERT) is expressed in many human cancer cells derived from multiple tissues, but infrequently in normal cells. Thus, hTERT is an attractive candidate target for tumor immunotherapy. hTERT:540-548 peptide (p540, ILAKFLHWL) has been identified as an effective HLA-A*0201-restricted T-cell epitope, an effective T-cell-based cancer treatment, including vaccines, against hTERT will likely require the identification of other MHC class I-restricted epitopes in this antigen.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481