

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

General Information

Synonyms:	PIG61;EGFR;NISBD2;ErbB;EC 2.7.10.1;mENA;LEGFR;HER1;ERBB;ERBB1;EC 2.7.10
Protein Construction:	Gly25-Thr305 (HLA-A*11:01), Ile21-Met119 (B2M) and KITDFGLAK peptide
Species:	Human
Expression Host:	HEK293 Cells
Accession:	AAV53343.1(HLA-A*11:01)&P61769(B2M)&KITDFGLAK
Molecular Weight:	48.50 kDa (Predicted); 50-60 kDa (Reducing condition, due to glycosylation)

QC Testing

Biological Activity:	Human HLA-A*11:01&B2M&EGFR WT (KITDFGLAK) Monomer, His Tag captured on CM5 Chip via Anti-His Antibody can bind HLA-A*11:01&B2M&EGFR TCR with an affinity constant of 0.34 μ M as determined in SPR assay (Biacore T200).
Purity:	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Endotoxin:	< 1 EU/ μ g of the protein as determined by the LAL method.
Formulation:	Supplied as 0.22 μ m filtered solution in PBS, 200 mM L-arginine (pH 7.4).

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 epidermal growth factor receptor is a transmembrane protein that is a receptor for members of the epidermal growth factor family of extracellular protein ligands. The epidermal growth factor receptor is a member of the ErbB family of receptors, a subfamily of four closely related receptor tyrosine kinases: EGFR, HER2/neu, Her 3 and Her 4. Receptor tyrosine kinase binding ligands of the EGF family and activating several signaling cascades to convert extracellular cues into appropriate cellular responses.

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