

HLA-A*24:02&B2M&Survivin 2B (AYACNTSTL) Monomer Protein, Human, MHC (His & Avi),

General Information

Synonyms: svn 2B;svn-2B;Survivin-2B

Protein Construction: Gly25-Thr305(HLA-A*24:02), Ile21-Met119(B2M) and AYACNTSTL peptide

Species: Human

Expression Host: HEK293 Cells

Accession: AAA59600.1(HLA-A*24:02)&P61769(B2M)&AYACNTSTL

Molecular Weight: The protein has a predicted MW of 50.20 kDa. Due to glycosylation, the protein migrates to 55-65 kDa based on Tris-Bis PAGE result.

QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC

Endotoxin: < 1.0 EU/µg of the protein as determined by the LAL method.

Formulation: Lyophilized from a solution filtered through a 0.22 µm filter, containing PBS (pH 7.4). Typically, 8% trehalose is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

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

Survivin-2B, a known splice variant of survivin, has been reported to promote cell death in some cancer cells, although it keeps pro-survival function in others. Survivin-2B promoted autophagy and further regulated cell death by accumulating and stabilizing IKK alpha in the nucleus.

Reference

Shi K, et al. Survivin-2B promotes autophagy by accumulating IKK alpha in the nucleus of selenite-treated NB4 cells. Cell Death Dis. 2014 Feb 20;5(2):e1071. doi: 10.1038/cddis.2014.34. PMID: 24556686; PMCID: PMC3944251.

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