

Synonym

T cell receptor beta constant 2,TRBC2

Source

Human TRBC2, His Tag(TR2-H52H3) is expressed from human 293 cells (HEK293). It contains AA Asp 1 - Ala 144 (Accession # [A0A5B9-1](#)).

Molecular Characterization

TRBC2(Asp 1 - Ala 144)
A0A5B9-1

Poly-his

This protein carries a polyhistidine tag at the C-terminus.

The protein has a calculated MW of 18.3 kDa. The protein migrates as 19-21 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 0.1 EU per µg by the LAL method / rFC method.

Purity

>90% as determined by SDS-PAGE.

>95% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

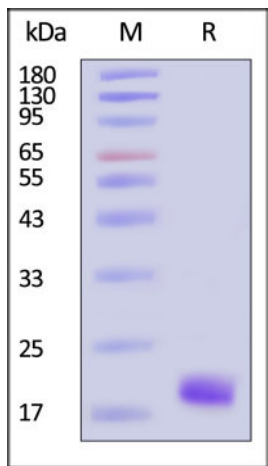
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

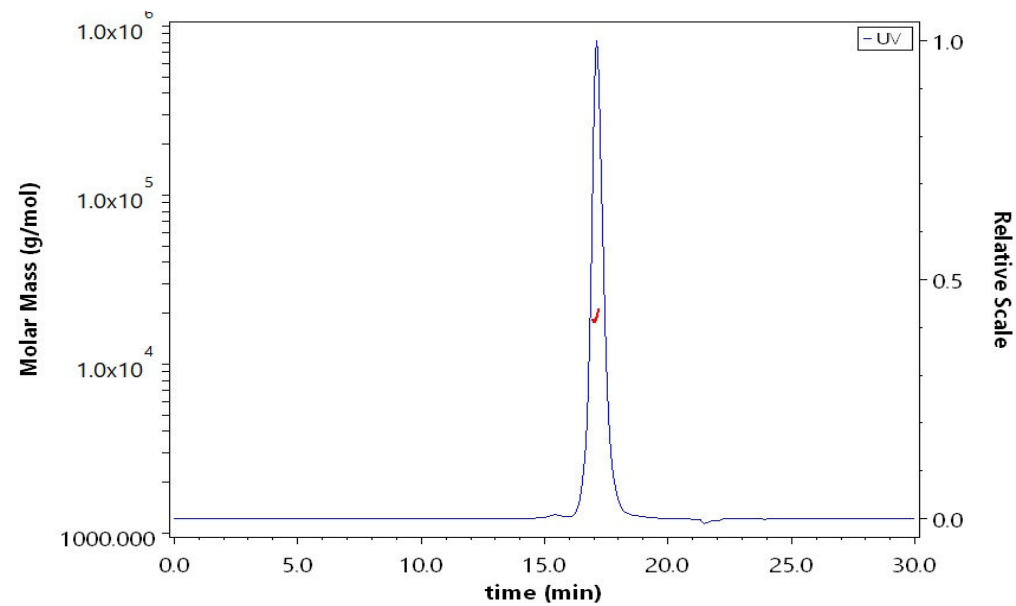
- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

SDS-PAGE



Human TRBC2, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-MALS



The purity of Human TRBC2, His Tag (Cat. No. TR2-H52H3) is more than 95% and the molecular weight of this protein is around 15-28 kDa verified by SEC-MALS.

[Report](#)

Discounts, Gifts,
and more!



Background

The transmembrane protein, TCR, comprise of two disulphide-linked polypeptide chains: a α and β chain, a γ and δ chain. Each polypeptide chain consists of a variable and a constant region. TRBC2 is the constant region of T-cell receptor (TCR) beta chain. TRBC2 is presented on the surface of T cell and recognized peptide-major histocompatibility (MH) (pMH) that are displayed by antigen presenting cells (APC). TRBC2 is participate in an adaptive immune response and has been well-studied in T cell therapy.

Discounts, Gifts,
and more!

