Recombinant TR13B protein (His tag)

Catalog Number	546429
Synonyms	Transmembrane activator and CAML interactor; CD antigen CD267
Species	Human
Expression System	E. coli
Accession	O14836
Molecular Weight	Predictes a molecular mass of 10.17 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 10 kDa band.

Product Information

Sequence Region	34-107
Form	Lyophilized powder
Formulation	Lyophilized from sterile PBS, pH 7.4
Purity	>85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Endotoxin	Not tested.
Activity	Not tested.
Stability	Samples are stable for up to twelve months from date of receipt at -70℃
Protein Construction	DNA encoding 34-107 aa (O14836) were fused with 6His tag.

Storage & Handling

Reconstitution	Reconstitute at 0.25 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

Description

Description	Introducing the recombinant human TNFRSF13B protein fragment (residues 34-107), a high-quality reagent designed for structural and biochemical studies. This soluble and stable fragment of the Tumor Necrosis Factor Receptor Superfamily Member 13B (Transmembrane activator and CAML interactor) enables researchers to investigate key immune signaling pathways with precision and reliability. Tumor Necrosis Factor Receptor Superfamily Member 13B (TNFRSF13B), also known as Transmembrane activator and CAML interactor or CD267, is a membrane-bound receptor that plays a critical role in immune regulation. As a high-affinity receptor for both TNFSF13/APRIL and TNFSF13B/TALL1/BAFF/BLYS ligands, it activates multiple signaling pathways including calcineurin-dependent NF-AT, NF-kappa-B, and AP-1. This receptor is essential for stimulating B- and T-cell functions and is a key regulator of humoral immunity. The full-length protein is localized to the membrane as a single-pass type III membrane protein, underscoring its importance in cell surface-mediated immune responses.