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TACI Human

Catalog #:CYPS-039

For research use only.

Description:TACI Human Recombinant fused with a 23 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 188 amino acids (1-165a.a.) and having a molecular mass of 20.9kDa. The TACI is purified by proprietary chromatographic techniques.

Synonyms:CD267, CVID, CVID2, TACI, TNFRSF14B, Tumor necrosis factor receptor superfamily, member 13B, Tumor necrosis factor receptor superfamily, member 13B, isoform CRA_a, TNFRSF13B.

Source:E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSMSGLGRS RRGGRSRVDQ EERFPQGLWT GVAMRSCPEE QYWDPLLGTC MSCKTICNHQ SQRTCAAFCR SLSCRKEQGK FYDHLLRDCI SCASICGQHP KQCAYFCENK LRSPVNLPPE LRRQRSGEVE NNSDNSGRYQ GLEHRGSEAS PALPGLKLSA DQVALVYS.

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:
The TACI solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.4M Urea.

Stability:
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
TNFRSF13B (TACI) is a transmembrane receptor protein found predominantly on the surface of B cells (a significant part of the immune system). TACI was at first discovered owing to its ability to interact with calcium-modulator and cyclophilin ligand (CAML). Later on, it was found that TACI plays a key role in humoral immunity by interacting with two members of the TNF family. Also, TACI controls T cell-independent B cell antibody responses, isotype switching, and B cell homeostasis.

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