Bioactive

TNFRSF13B (Human) Recombinant Protein

Catalog # P9191 Size 20 ug

Specification

Product Description	Human TNFRSF13B recombinant protein expressed in *Escherichia coli*.
Sequence	MSGLGRSRRGGRSRVDQEERFPQGLWTGVAMRSCPEEQYWDPLLGTCMSCKTICNHQSQRTC AAFCRSLSCRKEQGKFYDHLLRDCISCASICGQHPKQCAYFCENKLRSPVNLPPELRRQRSGEV ENNSDNSGRYQGLEHRGSEASPALPGLKLSADQV
Host	Escherichia coli
Theoretical MW (kDa)	18
Specificity	TACI Human
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purity	> 95% as determined by (a) RP-HPLC.(b) SDS-PAGE.
Activity	The biological activity is determined by the ability to block human BAFF induced T2B cell survival usi ng a concentration range of 1.0-3.0 ug/mL corresponding to a specific activity of 334-1000 IU/mg. Fu lly biologically active when compared to standard.
Storage Buffer	Lyophilized from a solution containing 1X PBS, pH 7.4. Reconstitute the lyophilized powder in ddH_2O to 100 ug/mL.
Storage Instruction	Lyophilized protein at room temperature for 3 weeks, should be stored at -20°C. Protein aliquots at 4 °C for 2-7 days and should be stored at -20°C to -80°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid repeated freeze/thaw cycles.

Applications

- Functional Study

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Gene Info — TNFRSF13B

Entrez GeneID	23495
Protein Accession#	Q4ACX1
Gene Name	TNFRSF13B
Gene Alias	CD267, CVID, FLJ39942, MGC133214, MGC39952, TACI, TNFRSF14B
Gene Description	tumor necrosis factor receptor superfamily, member 13B
Omim ID	240500 604907 609529
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a lymphocyte-specific member of the tumor necrosis factor (TNF) receptor superfamily. It interacts with calcium-modulator and cyclophilin ligand (CAML). The protein induces activation of the transcription factors NFAT, AP1, and NF-kappa-B and plays a crucial role in humoral immunity by interacting with a TNF ligand. This gene is located within the Smith-Magenis syndrome region on chromosome 17. [provided by RefSeq
Other Designations	OTTHUMP00000065442|transmembrane activator and CAML interactor|tumor necrosis factor receptor 13B

Pathway

- Cytokine-cytokine receptor interaction
- Primary immunodeficiency

Disease

- Abnormalities
- Agammaglobulinemia
- Chromosome Deletion
- Common Variable Immunodeficiency
- Genetic Predisposition to Disease
- Hematologic Diseases
- Hodgkin Disease

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- IgA Deficiency
- Intracranial Aneurysm
- Lupus Erythematosus
- Lymphoproliferative Disorders
- Mental Retardation
- Metabolic Syndrome X
- Multiple Myeloma
- Obesity
- Occupational Diseases
- Renal Insufficiency
- Respiratory Tract Infections
- Syndrome
- Waldenstrom Macroglobulinemia
- Werner syndrome

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