Bioactive

TNFRSF10B (Human) Recombinant Protein

Catalog # P9263 Size 2 x 10 ug

Specification

Product Description	Human TNFRSF10B partial recombinant protein with hIgG-His tag in C-terminus expressed in Insect cells.
Sequence	ITQQDLAPQQRAAPQQKRSSPSEGLCPPGHHISEDGRDCISCKYGQDYSTHWNDLLFCLRCTRC DSGEVELSPCTTTRNTVCQCEEGTFREEDSPEMCRKCRTGCPRGMVKVGDCTPWSDIECVHK ESGTKHSGEVPAVEETVTSSPGTPASPCSLEPKSCDKTHTCPPCPAPELLGGPSVFLFPPKPK DTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQD WLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIA VEWESNGQPENNYKTTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSL SLSPGKHHHHHH
Host	insect
Theoretical MW (kDa)	43.9
Form	Liquid
Preparation Method	Insect cells expression system
Purification	chromatographic
Purity	> 90% as determined by SDS-PAGE.
Activity	ED_{50} ≤ 5 ng/mL, measured by the ability to inhibit cytotoxicity assay using Jurkat human T lymphocyte with TRAIL.
Storage Buffer	Solution (1 mg/mL) containing 1X PBS, pH 7.4, 10% glycerol.
Storage Instruction	Store at 4°C for one weeks 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 — TNFRSF10B

Entrez GeneID	8795
Protein Accession#	O14763
Gene Name	TNFRSF10B
Gene Alias	CD262, DR5, KILLER, KILLER/DR5, TRAIL-R2, TRAILR2, TRICK2, TRICK2A, TRICK2B, TRICK B, ZTNFR9
Gene Description	tumor necrosis factor receptor superfamily, member 10b
Omim ID	275355 603612
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the TNF-receptor superfamily, and contains an i ntracellular death domain. This receptor can be activated by tumor necrosis factor-related apopto sis inducing ligand (TNFSF10/TRAIL/APO-2L), and transduces an apoptosis signal. Studies with FADD-deficient mice suggested that FADD, a death domain containing adaptor protein, is requir ed for the apoptosis mediated by this protein. Two transcript variants encoding different isoforms and one non-coding transcript have been found for this gene. [provided by RefSeq
Other Designations	Fas-like protein|OTTHUMP00000123492|TNF-related apoptosis-inducing ligand receptor 2|TRAI L receptor 2|apoptosis inducing protein TRICK2A/2B|apoptosis inducing receptor TRAIL-R2|cytot oxic TRAIL receptor-2|death domain containing receptor for TRAIL/Apo-2L|d

Pathway

- Apoptosis
- Cytokine-cytokine receptor interaction
- Natural killer cell mediated cytotoxicity
- p53 signaling pathway

Disease

- Asthma
- Breast Neoplasms

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- Carcinoma
- Cardiovascular Diseases
- Cleft Lip
- Cleft Palate
- Colorectal Neoplasms
- Diabetes Mellitus
- Disease Progression
- Edema
- Genetic Predisposition to Disease
- Head and Neck Neoplasms
- Hematologic Diseases
- Hodgkin Disease
- Lymphoproliferative Disorders
- Multiple Myeloma
- Neoplasm Metastasis
- Neoplasms
- Occupational Diseases
- Prostatic Neoplasms
- Recurrence
- Waldenstrom Macroglobulinemia
- Werner syndrome

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