Bioactive

# TNFRSF4 (Human) Recombinant Protein

Catalog # P9249 Size 2 x 10 ug

## Specification

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|---|---|
| **Product Description** | Human TNFRSF4 partial recombinant protein with His tag in C-terminus expressed in Baculovirus cells. |
| **Sequence** | LHCVGDTYPSNDRCCHECRPGNGMVSRCSRSQNTVCRPCGPGFYNDVVSSKPCKPCTWCNLR SGSERKQLCTATQDTVCRCRAGTQPLDSYKPGVDCAPCPPGHFSPGDNQACKPWTNCTLAGK HTLQPASNSSDAICEDRDPPATQPQETQGPPARPITVQPTEAWPRTSQGPSTRPVEVPGGRALE PKSCDKTHTCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVD GVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPRE PQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKL TVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGKHHHHHH |
| **Host** | Escherichia coli |
| **Theoretical MW (kDa)** | 46.9 |
| **Form** | Liquid |
| **Preparation Method** | Baculovirus expression system |
| **Purification** | chromatographic |
| **Purity** | > 90% as determined by SDS-PAGE. |
| **Activity** | $ED_{50}$ ≤ 0.15 ug/mL, measured by the binding ability in a functional ELISA with mouse OX40 Ligand/TNFSF4. |
| **Storage Buffer** | Solution (0.5 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).<br>Avoid repeated freeze/thaw cycles. |

## Applications

- Functional Study

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## Gene Info — TNFRSF4

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|---|---|
| **Entrez GeneID** | 7293 |
| **Protein Accession#** | P43489 |
| **Gene Name** | TNFRSF4 |
| **Gene Alias** | ACT35, CD134, OX40, TXGP1L |
| **Gene Description** | tumor necrosis factor receptor superfamily, member 4 |
| **Omim ID** | 600315 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor has been shown to activate NF-kappaB through its interaction with adaptor proteins TRAF2 and TRAF5. Knockout studies in mice suggested that this receptor promotes the expression of apoptosis inhibitors BCL2 and BCL2IL1/BCL2-XL, and thus suppresses apoptosis. The knockout studies also suggested the roles of this receptor in CD4+ T cell response, as well as in T cell-dependent B cell proliferation and differentiation. [provided by RefSeq |
| **Other Designations** | ATC35 antigen\|CD134 antigen\|OTTHUMP00000001522\|OX40 antigen\|OX40 cell surface antigen\|OX40 homologue\|lymphoid activation antigene ACT35\|tax-transcriptionally activated glycoprotein 1 receptor |

## Pathway

- Cytokine-cytokine receptor interaction

## Disease

- Asthma
- Atherosclerosis
- Coronary Artery Disease
- Genetic Predisposition to Disease
- Hepatitis C
- Hypertension

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- Lupus Erythematosus
- Myocardial Infarction

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