

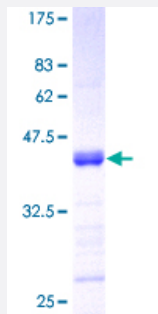
Full-Length

TNFSF13 (Human) Recombinant Protein (P01)

Catalog # H00008741-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human TNFSF13 full-length ORF (AAH08042, 1 a.a. - 247 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MPASSPFLLAPKGPPGNMGGPVREPALSVALWLSWGAALGAVACAMALLTQQTELQSLRREVS
RLQGTGGPSQNGEGYPWQSLPEQSSDALEAWESGERSRKRRAVLTQKQKKQHSVLHLPINAT
SKDDSDVTEVMWQPALRRGRGLQAQGYGVRIQDAGVYLLYSQVLFQDVTFTMGQVVSREGQGR
QETLFR CIRSMPSHPDRAYNSCYSAGVFHLHQGDILSVIIPRARA KLNLSPHGTF LGL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

52.91

Interspecies Antigen Sequence

Mouse (81); Rat (79)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — TNFSF13

Entrez GeneID [8741](#)

GeneBank Accession# [BC008042](#)

Protein Accession# [AAH08042](#)

Gene Name TNFSF13

Gene Alias APRIL, CD256, TALL2, TRDL-1, UNQ383/PRO715, ligand

Gene Description tumor necrosis factor (ligand) superfamily, member 13

Omim ID [604472](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene is a member of the tumor necrosis factor (TNF) ligand family. This protein is a ligand for TNFRSF17/BCMA, a member of the TNF receptor family. This protein and its receptor are both found to be important for B cell development. In vitro experiments suggested that this protein may be able to induce apoptosis through its interaction with other TNF receptor family proteins such as TNFRSF6/FAS and TNFRSF14/HVEM. Three alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported. Other transcripts that skip the last exon of the upstream gene (TNFSF12) and continue with the second exon of this gene have been identified; such read-through transcripts are contained in GeneID 407977, TNFSF12-TNFSF13. [provided by RefSeq]

Other Designations

OTTHUMP00000174780|TNF- and APOL-related leukocyte expressed ligand 2|a proliferation inducing ligand|tumor necrosis factor (ligand) superfamily member 13 transcript variant delta|tumor necrosis factor ligand superfamily member 13 epsilon|tumor necrosis f

Publication Reference

- [Interleukin 6 signaling promotes anti-aquaporin 4 autoantibody production from plasmablasts in neuromyelitis optica.](#)

Chihara N, Aranami T, Sato W, Miyazaki Y, Miyake S, Okamoto T, Ogawa M, Toda T, Yamamura T.

Proceedings of the National Academy of Sciences of the United States of America 2011 Mar; 108(9):3701.

Application: Func, Human, B cells

Pathway

- [Cytokine-cytokine receptor interaction](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hodgkin Disease](#)
- [Lupus Erythematosus](#)
- [Lymphoproliferative Disorders](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)