

Bioactive

TNFSF14 (Human) Recombinant Protein

Catalog # P9269

Size 100 ug

Specification

Product Description	Human TNFSF14 recombinant protein expressed in <i>Pichia Pastoris</i> .
Sequence	LPSCKEDEYPVGSECCPKCSPGYRVKEACGELTGTVCEPCPPGTIAHLNGLSKCLQCQMCDP AMGLRASRNCSTENAVCGCSPGHFCVQDGDHCAACRAYATSSPGQRVQKGGTESQDTLCQ NCPPGTFSPNGTLEECQHQTCSWLVTKAGAGTSSSHWVEPKSSDKTHTCPPCPAPEFEGAP SVFLFPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTYRV VSVLTVLHQDWLNGKEYKCKVSNKALPTIEKTISKAKGQPREPQVYTLPPSRDELTKNQVSLTCL VKGFYPSDIAVEWESNGQPENNYKTPPVLDSDGSFFLYSKLTVDKSRWQQGNVFSQSVMHEA LHNHYTQKSLSLSPGK
Host	Yeast
Theoretical MW (kDa)	58
Form	Lyophilized
Preparation Method	yeast expression system
Purity	> 95% as determined by (a) RP-HPLC.(b) SDS-PAGE.
Activity	Fully biologically active when compared to standard. The biologically active as determined by the ability to inhibit TNF-beta-mediated cytotoxicity using murine L929 cells.
Storage Buffer	Lyophilized from a solution containing 1X PBS, pH 7.4, 3 % Trehalose. Reconstitute the lyophilized powder in ddH ₂ O 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. Avoid repeated freeze/thaw cycles.

Applications

- Functional Study

Gene Info — TNFSF14

Entrez GeneID [8740](#)

Protein Accession# [O43557](#)

Gene Name TNFSF14

Gene Alias CD258, HVEM, LIGHT, LTg, TR2

Gene Description tumor necrosis factor (ligand) superfamily, member 14

Omim ID [604520](#)

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 TNFRSF14, which is a member of the tumor necrosis factor receptor superfamily, and which is also known as a herpesvirus entry mediator (HVEM). This protein may function as a costimulatory factor for the activation of lymphoid cells and as a deterrent to infection by herpesvirus. This protein has been shown to stimulate the proliferation of T cells, and trigger apoptosis of various tumor cells. This protein is also reported to prevent tumor necrosis factor alpha mediated apoptosis in primary hepatocyte. Two alternatively spliced transcript variant encoding distinct isoforms have been reported. [provided by RefSeq]

Other Designations

delta transmembrane LIGHT|herpesvirus entry mediator A|ligand for herpesvirus entry mediator|tumor necrosis factor ligand superfamily, member 14|tumor necrosis factor receptor-like 2|tumor necrosis factor superfamily member LIGHT

Pathway

- [Cytokine-cytokine receptor interaction](#)

Disease

- [Dementia](#)
- [Genetic Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Hematologic Diseases](#)
- [Hodgkin Disease](#)
- [Hyperparathyroidism](#)

- [Inflammation](#)
- [Lymphoproliferative Disorders](#)
- [Multiple Myeloma](#)
- [Narcolepsy](#)
- [Occupational Diseases](#)
- [Stroke](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)