

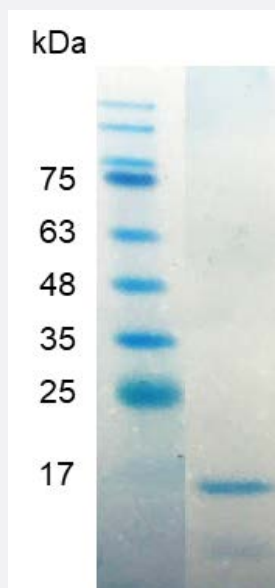
Bioactive

TNFSF14 (Human) Recombinant Protein

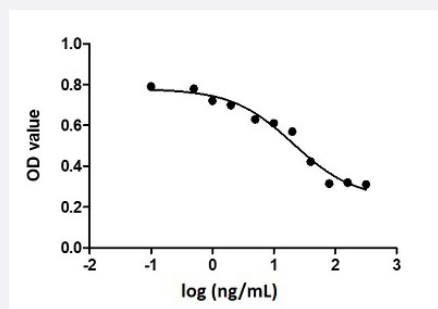
Catalog # P7814

Size 20 ug

Applications



SDS-PAGE analysis of TNFSF14 (Human) Recombinant Protein.



Result of activity analysis

Result of activity analysis

Specification

Product Description

Human TNFSF14 recombinant protein with polyhistidine tag at the C-terminus expressed in *Escherichia coli*.

Sequence

MRLGEMVTRLPGDPAGSWEQLIQERRSHEVNPAAHLTGANSSLTGSGGPLLWETQLGLAFLRGL
SYHDGALVVTKAGYYYISKVQLGGVGCPLGLASTITHGLYKRTPRYPEEELLEVSQQSPCGRATS
SSRVWWDSSFLGGVVHLEAGEKVVVRVLDERLVRLRDGTRSYFGAFMV with polyhistidine tag at the C-terminus.

Host	Escherichia coli
Form	Lyophilized
Preparation Method	<i>Escherichia coli</i> expression system
Purification	Ni-NTA chromatography
Purity	> 98% as determined by SDS-PAGE.
Endotoxin Level	< 0.01 EU/ ug of protein by the LAL method.
Activity	ED ₅₀ < 23 ng/mL, Measured by the induction of cytotoxicity in HT-29 cells in the presence of IFN- γ . ED ₅₀ < 3 ng/mL, Measured by the induction of proliferation in HUVEC cells.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue. SDS-PAGE analysis of TNFSF14 (Human) Recombinant Protein.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from a solution containing 0.1% sarkosyl in 1X PBS, pH 8.0. Reconstitute the lyophilized powder in ddH ₂ O to 100 ug/mL.
Storage Instruction	Lyophilized protein should be stored at -20°C. Protein aliquots should be stored at -20°C to -80°C. The product is stable for one year. Avoid repeated freeze/thaw cycles.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — TNFSF14

Entrez GeneID	8740
Gene Name	TNFSF14
Gene Alias	CD258, HVEM, LIGHT, LT α , 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](#)