

Active Recombinant Human TNFRSF25 Protein, hlgG/His-tagged

Cat. No. TNFRSF25-10H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Recombinant human TNFRSF25 (25-199 aa), fused to hlgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Species

Human

Source

Insect Cells

ProteinLength

417

Description

The protein encoded by this gene is a member of the TNF-receptor superfamily. This receptor is expressed preferentially in the tissues enriched in lymphocytes, and it may play a role in regulating lymphocyte homeostasis. This receptor has been shown to stimulate NF-kappa B activity and regulate cell apoptosis. The signal transduction of this receptor is mediated by various death domain containing adaptor proteins. Knockout studies in mice suggested the role of this gene in the removal of self-reactive T cells in the thymus. Multiple alternatively spliced transcript variants of this gene encoding distinct isoforms have been reported, most of which are potentially secreted molecules. The alternative splicing of this gene in B and T cells encounters a programmed change upon T-cell activation, which predominantly produces full-length, membrane bound isoforms, and is thought to be involved in controlling lymphocyte proliferation induced by T-cell activation.

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Form	Liquid
Bio-activity	Measured by its binding ability in a functional ELISA with Human TL1A/TNFSF15. The ED50 range $\leq 5 \mu\text{g/mL}$.
Molecular Mass	46.1 kDa
AA Sequence	QGGTRSPRCDCAGDFHKKIGLFCCRGCPAGHYLKAPCTEPCGNSTCLVCPQDTFL AWENHHNSECARCQACDEQASQVALENC SAVADTRCGCKPGWFEVCQVSQCVS SSPFYCQPCLDCGALHRHTRLLCSRRDTCGTCLPGFYEHGDGCVSCPTSTLGSC PERCAAVCGWRQ
Endotoxin	$< 1 \text{ EU}/\mu\text{g}$ of protein (determined by LAL method)
Purity	$> 95\%$ by SDS-PAGE
Applications	SDS-PAGE, Bioactivity
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/mL (determined by absorbance at 280nm)
Storage Buffer	Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

GENE INFORMATION

Gene Name	TNFRSF25 TNF receptor superfamily member 25 [Homo sapiens (human)]
Official Symbol	TNFRSF25

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Synonyms

TNFRSF25; TNF receptor superfamily member 25; DR3; TR3; DDR3; LARD; APO-3; TRAMP; WSL-1; GEF720; WSL-LR; PLEKHG5; TNFRSF12; tumor necrosis factor receptor superfamily member 25; Guanine nucleotide exchange factor 720; PH domain-containing family G member 5; Pleckstrin homology domain-containing family G member 5; apoptosis inducing receptor; apoptosis-inducing receptor AIR; apoptosis-mediating receptor DR3; apoptosis-mediating receptor TRAMP; death domain receptor 3 soluble form; death receptor beta; lymphocyte-associated receptor of death; protein WSL-1; tumor necrosis factor receptor superfamily, member 12 (translocating chain-association membrane protein)

Gene ID

8718

mRNA Refseq

NM_003790

Protein Refseq

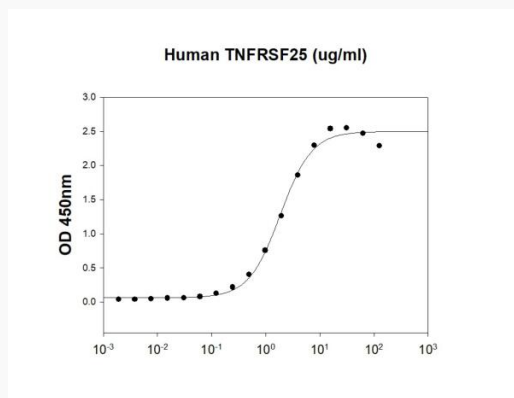
NP_003781

MIM

603366

UniProt ID

Q93038

Biological Activity


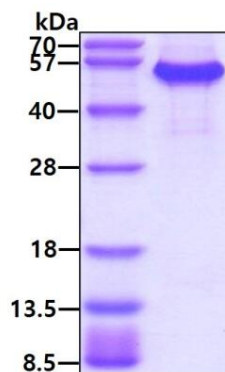
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Human TL1A/TNFSF15 is coated at 10 µg/mL (100 µL/well) can bind Human DR3/TNFRSF25. The ED50 range ≤ 5 µg/mL.

SDS-PAGE



3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

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