

Recombinant Human Tumor Necrosis Factor Receptor Superfamily, Member 13C

Cat. No. TNFRSF13C-5255H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human TNFRSF13C is a disulfide-linked monomeric protein consisting of 76 amino acid residues subunits. The molecule has a calculated molecular mass of approximately 9 kDa and migrates as an approximately 9 kDa protein under non-reducing and reducing conditions in SDS-PAGE.
Species	Human
Source	Human
Description	TNFRSF13C appears to be particularly important for the regulation of B cell survival and maturation in the spleen, because A/WySnJ mice expressing a defective TNFRSF13C have disrupted B cell maturation, similar to that seen in BAFF-deficient mice.
Form	Recombinant TNFRSF13C was lyophilized from a 0.2 µm filtered solution in 2.5% glycine, 0.5% sucrose, 0.01% Tween 80, 5 mM Glutamic acid, pH 4.5.
Purity	>95%, as determined by SDS-PAGE and HPLC.
Sequence	MRRGPRSLRG RDAPAPTPCV PAECFDLLVR HCVACGLLRT PRPKPAGASS PAPRTALQPQ ESGAGAGEA ALPLPGLL
Molecular Weight	9 kDa.

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Biological Activity	The ED ₅₀ was determined by the ability to block BAFF induced survival of splenocyte cells, and was found to be in the range of 1.0-5.0 ug/ml.
Endotoxin	Less than 0.1 ng/g (1EU/g).
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/ml. This solution can then be diluted into other buffers.
Storage	The lyophilized protein is stable for at least 2 years from date of receipt at -20°C. Upon reconstitution, this cytokine can be stored in working aliquots at 2°C - 8°C for one month, or at -20°C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.
Official Symbol	TNFRSF13C
Pathways	Cytokine-cytokine receptor interaction

GENE INFORMATION

Gene Name	TNFRSF13C tumor necrosis factor receptor superfamily, member 13C [Homo sapiens]
Synonyms	TNFRSF13C; tumor necrosis factor receptor superfamily, member 13C; CD268; MGC138235; BAFF receptor; OTTHUMP00000028746; B cell-activating factor receptor; BAFF-R; BAFFR; BR3; BLyS receptor 3; CD268 antigen; tumor necrosis factor receptor superfamily, member 13C
Gene ID	115650
mRNA Refseq	NM_052945

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Protein Refseq	NP_443177
MIM	606269
UniProt ID	Q5H8V1
Chromosome Location	22q13.1-q13.31
Function	receptor activity
PDBrendering based on 1oqe.	