

Datasheet for ABIN1047844  
**TNFRSF1A Protein (AA 31-210) (GST tag)**



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## Overview

Quantity:	100 µg
Target:	TNFRSF1A
Protein Characteristics:	AA 31-210
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TNFRSF1A protein is labelled with GST tag.
Application:	ELISA

## Product Details

Sequence:	VPHLGDREKR DSVCPQGKYI HPQNNsicCT KCHKGTyLYN DCPGPGQDtd CRECESGSFT ASENHLRHCL SCSKCRKEMG QVEISSCTVD RDTVCGCRKN QYRHYWSENL FQCFNCSLCL NGTVHLSCQE KQNTVCTCHA GFFLRENECV SCSNCKKSLE CTKLCLPQIE NVKGTEDSGT
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	90 %

## Target Details

Target:	TNFRSF1A
Alternative Name:	Tumor necrosis factor receptor superfamily member 1A protein ( <a href="#">TNFRSF1A Products</a> )
Background:	Receptor for TNFSF2/TNF-alpha and homotrimeric TNFSF1/lymphotoxin-alpha. The adapter

## Target Details

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molecule FADD recruits caspase-8 to the activated receptor. The resulting death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation which initiates the subsequent cascade of caspases (aspartate-specific cysteine proteases) mediating apoptosis. Contributes to the induction of non-cytocidal TNF effects including anti-viral state and activation of the acid sphingomyelinase.

Molecular Weight: 47.6 kD

UniProt: [P19438](#)

Pathways: [NF-kappaB Signaling](#), [Apoptosis](#), [Caspase Cascade in Apoptosis](#), [Hepatitis C](#), [Ubiquitin Proteasome Pathway](#)

## Application Details

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**Comment:** The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modified such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

**Restrictions:** For Research Use only

## Handling

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**Format:** Lyophilized

**Concentration:** 0.2-2 mg/mL

**Buffer:** Tris-based buffer, 50 % glycerol

**Handling Advice:** Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

**Storage:** -20 °C

**Storage Comment:** Store at -20 °C for extended storage, conserve at -20 °C or -80 °C

## Publications

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Product cited in:

Himmeler, Maurer-Fogy, Krönke, Scheurich, Pfizenmaier, Lantz, Olsson, Hauptmann, Stratowa, Adolf: "Molecular cloning and expression of human and rat tumor necrosis factor receptor chain (p60) and its soluble derivative, tumor necrosis factor-binding protein." in: **DNA and cell biology**, Vol. 9, Issue 10, pp. 705-15, (1991) ([PubMed](#)).

Gray, Barrett, Chantry, Turner, Feldmann: "Cloning of human tumor necrosis factor (TNF) receptor cDNA and expression of recombinant soluble TNF-binding protein." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 87, Issue 19, pp. 7380-4, (1990) ([PubMed](#)).

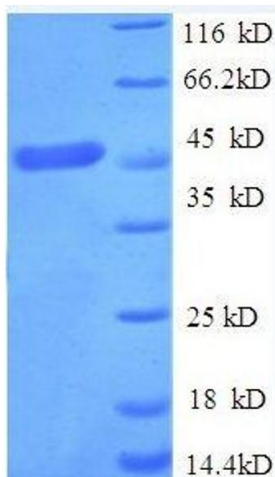
Schall, Lewis, Koller, Lee, Rice, Wong, Gatanaga, Granger, Lentz, Raab: "Molecular cloning and expression of a receptor for human tumor necrosis factor." in: **Cell**, Vol. 61, Issue 2, pp. 361-70, (1990) ([PubMed](#)).

Loetscher, Pan, Lahm, Gentz, Brockhaus, Tabuchi, Lesslauer: "Molecular cloning and expression of the human 55 kd tumor necrosis factor receptor." in: **Cell**, Vol. 61, Issue 2, pp. 351-9, (1990) ([PubMed](#)).

Nophar, Kemper, Brakebusch, Englemann, Zwang, Aderka, Holtmann, Wallach et al.: "Soluble forms of tumor necrosis factor receptors (TNF-Rs). The cDNA for the type I TNF-R, cloned using amino acid sequence data of its soluble form, encodes both the cell surface and a soluble form ..." in: **The EMBO journal**, Vol. 9, Issue 10, pp. 3269-78, (1990) ([PubMed](#)).

## Images

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### SDS-PAGE

**Image 1.** Tumor Necrosis Factor Receptor Superfamily, Member 1A (TNFRSF1A) (AA 31-210) protein (GST tag)