

TNFRSF19 Protein, Human, Recombinant (hFc)

General Information

Synonyms:	AW123854;TRADE;TAJ α ;AL023044;TAJ- α ;Taj;TAJ alpha;Toxicity and JNK inducer;TAJ-alpha;Troy
Protein Construction:	Glu30-Leu170
Species:	Human
Expression Host:	HEK293 Cells
Accession:	Q9NS68-1
Molecular Weight:	42.22 kDa (predicted). Due to glycosylation, the protein migrates to 50-60 kDa based on Tris-Bis PAGE result.

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin:	< 1.0 EU/ μ g of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 μ m filter, containing PBS (pH 7.4). Typically, 8% trehalose is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100 μ g/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

A novel susceptibility gene TNFRSF19, which encodes an orphan member of the TNF receptor superfamily known to be associated with nasopharyngeal carcinoma (NPC) and lung cancer risk. TNFRSF19, a susceptibility gene for nasopharyngeal carcinoma and other cancers, functions as a potent inhibitor of the TGF β signaling pathway.

Reference

Deng C, Lin YX, Qi XK, He GP, Zhang Y, Zhang HJ, Xu M, Feng QS, Bei JX, Zeng YX, Feng L. TNFRSF19 Inhibits TGF β Signaling through Interaction with TGF β Receptor Type I to Promote Tumorigenesis. Cancer Res. 2018 Jul 1;78(13): 3469-3483. doi: 10.1158/0008-5472.CAN-17-3205. Epub 2018 May 7. PMID: 29735548.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481