Data Sheet (Cat.No.TMPY-03416)

TargetMol

TNFAIP8 Protein, Human, Recombinant (His)

General Information

Synonyms:	GG2-1;tumor necrosis factor, alpha-induced protein 8;SCCS2;SCC-S2;NDED;tumor necrosis factor, α-induced protein 8;MDC-3.13
Protein Construction:	A DNA sequence encoding the mature form of human TNFAIP8 (O95379) (Met1-Ile198) was expressed with a polyhistide tag at the N-terminus. Predicted N terminal: His
Species:	Human
Expression Host:	E. coli
Accession:	O95379
Molecular Weight:	24.8 kDa (predicted); 26 kDa (reducing conditions)

QC Testing

Biological Activity:	Activity testing is in progress. 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 SDS-PAGE
Endotoxin:	Please contact us for more information.
Formulation:	Lyophilized from a solution filtered through a 0.22 μm filter, containing PBS, 10% glycerol, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

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

Tumor necrosis factor (TNF)-alpha-induced protein 8 (TNFAIP8) family is a newly identified protein with vital roles in maintaining immune homeostasis. Tumor necrosis factor-alpha-inducible protein 8 (TNFAIP8) is a TNF-alpha inducible anti-apoptotic protein with multiple roles in tumor growth and survival. by the creation of cellular autophagy events, TNFAIP8 promotes cell survival and drug resistance in prostate cancer cells. TNFAIP8 regulates

Hippo pathway through interacting with LATS1 to promote cell proliferation and invasion in lung cancer. TNFAIP8 may serve as a candidate biomarker for poor prognosis and a target for new therapies.

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