



# Certificate of Analysis

## TNF-alpha/TNFSF2 Protein, Porcine (N-His)

Cat. No.:	HY-P700283
Batch No.:	278814
Species:	Porcine
Source:	<i>E. coli</i>
Tag:	N-6*His
Accession:	P23563 (R78-L232)
Gene ID:	397086
Molecular Weight:	approximately 20 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥95.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured in a cytotoxicity assay using TNF-susceptible PK-15 porcine kidney epithelial cells in the presence of the metabolic inhibitor actinomycin D. The ED50 for this effect is 0.06386 ng/mL, corresponding to a specific activity is $1.57 \times 10^7$ units/mg.	0.06386 ng/mL
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).	
Storage & Stability	Stored at -20°C. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.	
Shipping	Room temperature in continental US; may vary elsewhere.	

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA