



# Certificate of Analysis

## Animal-Free TNF-alpha/TNFSF2 Protein, Pig (His)

**Cat. No.:** HY-P700252AF  
**Batch No.:** 288186  
**Species:** Pig  
**Source:** *E. coli*  
**Tag:** C-His  
**Accession:** P23563 (L77-L232)  
**Gene ID:** 397086  
**Molecular Weight:** Approximately 18.1 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥95.0%
Endotoxin Level	<0.1 EU per 1 µg of the protein by the LAL method.	PASS
Biological Activity	Measure by its ability to induce cytotoxicity in PK15 cells in the presence of the actinomycin D. The ED <sub>50</sub> for this effect is < 15 pg/mL.	<15 pg/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.	
Storage & Stability	Stored at -20°C for 2 years. 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](mailto:tech@MedChemExpress.com)

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