



# Certificate of Analysis

## TCN2/Transcobalamin-2 Protein, Mouse (HEK293, C-His)

Cat. No.:	HY-P76102A
Batch No.:	272751
Species:	Mouse
Source:	HEK293
Tag:	C-6*His
Accession:	O88968 (E19-W430)
Gene ID:	21452
Molecular Weight:	Approximately 42.4 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.	<1 EU/μg
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized CD320 at 25 ng/mL (100 μL/well) can bind Biotinylated TCN2. The ED <sub>50</sub> for this effect is 11.18 ng/mL, corresponding to a specific activity is 8.94×10 <sup>4</sup> Unit/mg.	11.18 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 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.**

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