



# Certificate of Analysis

## gp130/IL6ST Protein, Mouse (HEK293, His)

Cat. No.:	HY-P76371
Batch No.:	149025
Species:	Mouse
Source:	HEK293
Tag:	C-His
Accession:	Q00560/NP_034690 (Q23-E617)
Gene ID:	16195
Molecular Weight:	80-90 kDa.

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 90% as determined by reducing SDS-PAGE	94.60%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	1.Measured by its ability to inhibit the IL-6Ra enhancement of IL-6 activity on M1 mouse myeloid leukemia cells and the ED <sub>50</sub> is typically 0.6-3 μg/mL in the presence of 50 ng/mL human IL-6sR and 100 ng/mL human IL-6. 2.Measured by its ability to bind mouse IL11Ra in a functional ELISA.	0.6 μg/mL (Test by method 1) Pass (Test by method 2)
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 (with carrier protein). 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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