



# Certificate of Analysis

## VEGF120 Protein, Mouse

Cat. No.:	HY-P72775
Batch No.:	127820
Species:	Mouse
Source:	<i>E. coli</i>
Tag:	Tag Free
Accession:	Q00731-3 (A27-R146)
Gene ID:	22339
Molecular Weight:	Approximately 28.4 kDa (Disulfide-linked homodimer)

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	96.00%
Endotoxin Level	<1 EU/μg; determined by LAL method.	PASS
Biological Activity	The cell proliferation assay using human umbilical vein endothelial cells has an ED50 value of less than 5 ng/ml; corresponding to a specific activity of $> 2.0 \times 10^5$ IU/mg.	PASS
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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