



# Certificate of Analysis

## IL-31 Protein, Cynomolgus (HEK293, His)

Cat. No.:	HY-P77006
Batch No.:	414957
Species:	Cynomolgus
Source:	HEK293
Tag:	C-6*His
Accession:	EHH66805 (L27-T163)
Gene ID:	102135935
Molecular Weight:	Approximately 19-23 kDa due to the glycosylation.

### 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	Measured by its ability to induce STAT3 activation in U 87 MG human glioblastoma/astrocytoma cells. Recombinant Cynomolgus IL-31 can effectively induce STAT3 activation.	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.	
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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