



# Certificate of Analysis

## SDF-1 alpha/CXCL12 Protein, Mouse (68a.a, CHO)

Cat. No.:	HY-P7403
Batch No.:	97731
Species:	Mouse
Source:	CHO
Tag:	Tag Free
Accession:	P40224 (K22-K89)
Gene ID:	20315
Molecular Weight:	Approximately 8 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	95.00%
Endotoxin Level	<0.2 EU/μg, determined by LAL method.	PASS
Biological Activity	The EC <sub>50</sub> is <1.5 μg/mL as measured on Ca <sup>2+</sup> mobilization assay in CHO-K1/Gα15/mCXCR4 cells (human Gα15 and mCXCR4 stably expressed in CHO-K1 cells).	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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