



# Certificate of Analysis

## CCL4 Protein, Rat

Cat. No.:	HY-P71899
Batch No.:	316429
Species:	Rat
Source:	<i>E. coli</i>
Tag:	Tag Free
Accession:	P50230 (A24-N92)
Gene ID:	116637
Molecular Weight:	Approximately 11 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE	97.00%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to chemoattract BaF3 mouse pro-B cells transfected with human CCR5. The $ED_{50}$ for this effect is 14.43 ng/mL, corresponding to a specific activity is $6.930 \times 10^4$ U/mg.	14.43 ng/mL
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in sterile distilled water.	
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.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA