



Certificate of Analysis

COMP Protein, Human (HEK293, His)

Cat. No.:	HY-P72945
Batch No.:	389603
Species:	Human
Source:	HEK293
Tag:	C-His
Accession:	P49747 (Q21-A757)
Gene ID:	1311
Molecular Weight:	120-130 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 80% as determined by reducing SDS-PAGE	95.20%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to induce adhesion of ATDC5 mouse chondrogenic cells. When cells are added to COMP-coated plates (0.625 μg/mL and 100 μL/well), approximately ≥30% cells will adhere specifically after 60 minutes at 37°C.	30%
Appearance	Lyophilized powder	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ 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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