



Certificate of Analysis

IL-18BP Protein, Human (HEK293, His)

Cat. No.:	HY-P77709
Batch No.:	493232
Species:	Human
Source:	HEK293
Tag:	C-His
Accession:	O95998-2 (T31-G194)
Gene ID:	10068
Molecular Weight:	40-65 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by Tris-Bis PAGE.	≥95.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	1.Human IL-18BP, His Tag captured on CM5 Chip via Anti-his antibody can bind Human IL-18, No Tag with an affinity constant of 0.3-0.5 nM as determined in SPR assay (Biacore T200). 2.Measured by its ability to inhibit the IL-18-induced response of human natural killer lymphoma NK-92 cells. The ED ₅₀ for this effect is 0.04 - 0.08 μg/mL in the presence of 30 ng/mL of recombinant Human IL-18.	0.39 nM (Test by method 1) 42.2 ng/mL (Test by method 2)
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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