



Certificate of Analysis

CD73/5'-Nucleotidase Protein, Human (521a.a, HEK293, His)

Cat. No.:	HY-P70010
Batch No.:	230451
Species:	Human
Source:	HEK293
Tag:	C-6*His
Accession:	P21589 (W27-K547)
Gene ID:	4907
Molecular Weight:	Approximately 62.0 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE	96.31%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	<p>1. 2 μg/mL (100 μL/well) of immobilized recombinant Human 5'-nucleotidase/CD73-His can bind Anti-Human CD73 mAb with an ED₅₀ value of 2.78 ng/mL.</p> <p>2. Measured by its ability to hydrolyze the 5'-phosphate group from the substrate adenosine-5'-monophosphate (AMP). The specific activity is about 3×10⁵ pmol/min/μg.</p>	3×10 ⁵ pmol/min/μg
Appearance	Solution.	
Concentration	0.7151 mg/mL	
Reconstitution	N/A	
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.	
Shipping	Shipping with dry ice.	

Caution: Product has not been fully validated for medical applications. For research use only.

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