



# Certificate of Analysis

## CA12/Carbonic Anhydrase 12 Protein, Human (HEK293, His)

**Cat. No.:** HY-P72866  
**Batch No.:** 255097  
**Species:** Human  
**Source:** HEK293  
**Tag:** C-His  
**Accession:** O43570 (M1-Q291)  
**Gene ID:** 771  
**Molecular Weight:** 40-45 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE	97.90%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its esterase activity and the specific activity is >40 pmoles/min/μg.	191 pmoles/min/μg
Appearance	Lyophilized powder.	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH <sub>2</sub> 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. 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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