



# Certificate of Analysis

## PTP1B Protein, Human (His)

Cat. No.:	HY-P73685
Batch No.:	518952
Species:	Human
Source:	<i>E. coli</i>
Tag:	N-His
Accession:	P18031 (E2-N321)
Gene ID:	5770
Molecular Weight:	Approximately 38.1 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	≥98.0%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to dephosphorylate a phosphotyrosine residue in an EGF receptor (aa988-998) phosphopeptide substrate and the specific activity is > 15 nmoles/min/μg.	> 15 nmoles/min/μg
Appearance	Solution	
Concentration	2.36 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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