



# Certificate of Analysis

## GSTA1 Protein, Human (HEK293, C-His)

Cat. No.:	HY-P75153A
Batch No.:	317683
Species:	Human
Source:	HEK293
Tag:	C-6*His
Accession:	P08263 (M1-F222)
Gene ID:	2938
Molecular Weight:	Approximately 26 kDa

### ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 95% as determined by reducing SDS-PAGE.	97.18%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Specific activity is 4206.22 pmol/min/μg, and is defined as the amount of enzyme that conjugate 1 pmole of 1-chloro-2,4-dinitrobenzene (CDNB) with reduced glutathione per minute at pH 6.5 at 25°C.	4206.22 pmol/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. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).	
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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