



Certificate of Analysis

TEV Protease Protein, Tobacco etch virus (S2256N, C-His)

Cat. No.: HY-P79151A
Batch No.: 246433
Species: Virus
Source: *E. coli*
Tag: C-6*His
Accession: NP_062908 (E2039-Q2279)
Gene ID: 1502321
Molecular Weight: approximately 34 kDa

ANALYTICAL DATA

TEST	Specifications	Results
Purity	Greater than 90% as determined by reducing SDS-PAGE.	94.50%
Endotoxin Level	<1 EU/μg, determined by LAL method.	PASS
Biological Activity	Measured by its ability to cleave a fusion protein containing the recognition sequence Glu-Asn-Leu-Tyr-Phe-Gln, with the cleavage point after Gln. TEV Protease cleaves ≥50% of the control substrate.	TEV Protease cleaves ≥50% of the control substrate.
Appearance	Lyophilized powder.	
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH ₂ 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. 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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