CERTIFICATE OF ANALYSIS

Product Name:	Native SHC Protein (Shrimp Hemocyanin, non-Activated, KLH substitution)
Cat.No:	SH2170-10
Lot.No:	56B91005
Production Date:	09/2026
Expiry Date:	09/2028
Storage Temperature:	Store at -20°C

Parameter	Specification	Result
Appearance	Pale blue, lyophilized powder, dry and free of foreign material	Conforms
Solubility	At a concentration of 20 mg/mL in Ultrapure water, sample is clear to turbid blue solution	Conforms
Protein content	10±1 mg per vial	10mg
Protein purity	≥98%	Conforms
Conjugate situation	It can be used for hapten conjugation	It can be used for hapten conjugation.The shrimp hemocyanin molecule has 36 primary amines and carboxyl groups，In this experiment one molecule shrimp hemocyanin can conjugate 18~33 molecules of Flag peptides

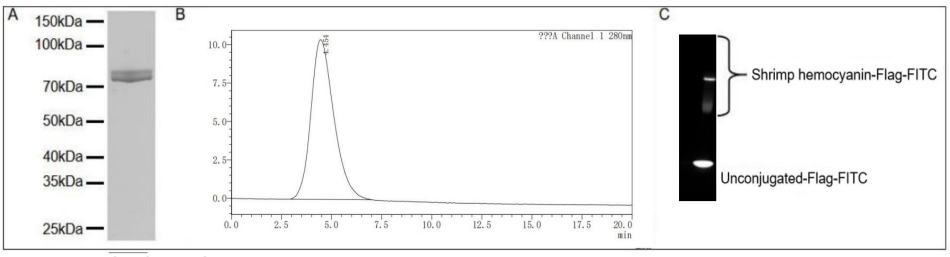


Figure A: SDS-PAGE

Figure B: The HPLC chromatogram

Figure C: Fluorescence results of shrimp hemocyanin conjugated with Flag-FITC

Quality authorized by:

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