

CERTIFICATE OF ANALYSIS

Product Name: Native SHC Protein (Shrimp Hemocyanin, non-Activated, KLH substitution)
Cat.No: SH2170-10
Lot.No: 56A61010
Production Date: 06/12/2025
Expiry Date: 06/12/2026
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±0.2 mg per vial	11mg
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 17~30 molecules of Flag peptides

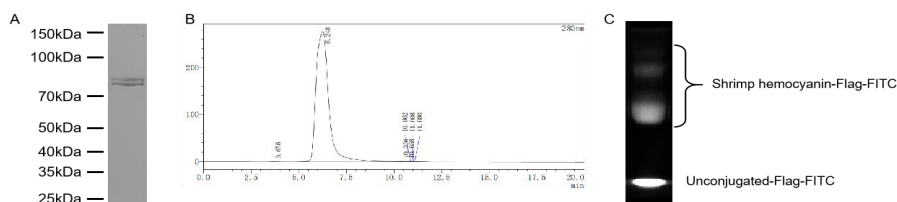


Figure A: SDS-PAGE

Figure B: The HPLC chromatogram

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

Quality authorized by:

Esther Zhang

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