CERTIFICATE OF ANALYSIS

Complement Technology, Inc.
4801 Troup Hwy, Suite 701
Tyler, Texas 75703, USA

Product: **C1s Enzyme**
Catalog # **A104** **Lot #**
Exp. Date:

Description: Purified Human Complement Protein C1s Enzyme

Specifications	Limits	Results
PROTEIN CONCENTRATION	0.95 – 1.2 mg/mL. C1s has an extinction coefficient of $E^{1\%}/_{280}$nm = 10.0	1.01 mg/ml
FILL VOLUME	0.250 - 0.275 mL	0.255 mL
BUFFER	Phosphate Buffered Saline	Phosphate Buffered Saline
PRESERVATIVE	None, filtered through a 0.22 µm pore size filter.	None, filtered through a 0.22 µm pore size filter.
PURITY	≥ 90%	≥ 95% by SDS-PAGE
	Non-reduced SDS-Page, C1s is a single protein band of 86,000	Conforms
	Reduced SDS-Page, C1s has two protein subunits of 58,000 (heavy chain) and 28,000 (light chain) MW	Conforms
FUNCTIONAL ACTIVITY	≥ 80% of C1s will bind with excess C1-Inh	≥ 92%
IMMUNOCHEMISTRY (DILUTION OUCHTERLONIES)	≤ trace amounts of IgG, IgA, IgM, albumin, C1r, C3, C4, or ceruloplasmin	Conforms
	Strong precipitin line forms with anti-C1s antiserum	Conforms
HUMAN SERUM/PLASMA STARTING MATERIAL		
HBsAg	Negative	Negative
Anti-HIV 1 & 2 Plus O	Negative	Negative
Anti-HCV	Negative	Negative
HCV/HIV/HBV by NAT	Negative	Negative
WNV/Zika RNA by NAT	Negative	Negative
Anti-Syphilis	Negative	Negative
HTLV I & II	Negative	Negative
Anti-HBc	Negative	Negative

STORE AT -70°C or BELOW.
Thaw quickly at 37°C, mix, and put in an ice+water bath to cool.
Avoid Repeated Freeze/Thaw

FOR RESEARCH USE ONLY
NOT FOR HUMAN OR DRUG USE

Signature of Analyst

Date of Analysis

Phone: 1-903-581-8284 FAX: 1-903-581-0491 Email: contactCTI@ComplementTech.com
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THIS IS A GENERIC REPRESENTATION

CompTech
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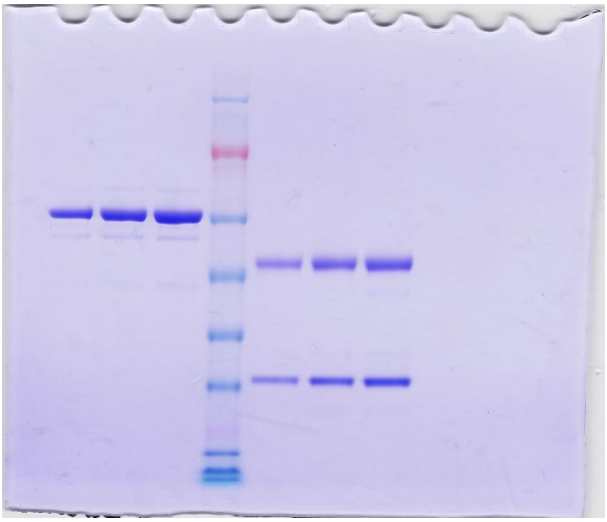
A104 C1s Enzyme, Purified Human Complement Protein

SDS-PAGE Gel Information

NuPAGE 4-12 % Bis-Tris Gel from Invitrogen
1 mm thick gel
MOPS running buffer
Sample size = 12 ul/lane
MW Std: See Blue Plus 2 Prestained Standard from Invitrogen (10µl)
200 Volts constant for 50 min
Stained with Coomassie Brilliant Blue R-250
Run date: 9/11/2024



Lane #: 1 2 3 4 5 6 7

Lane #1: 2 ug C1s Enzyme,
Lane #2: 3 ug C1s Enzyme
Lane #3: 4 ug C1s Enzyme
Lane #4: See Blue Standard Prestained
Lane #5: 2 ug C1s Enzyme + DTT
Lane #6: 3 ug C1s Enzyme + DTT
Lane #6: 4 ug C1s Enzyme + DTT

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