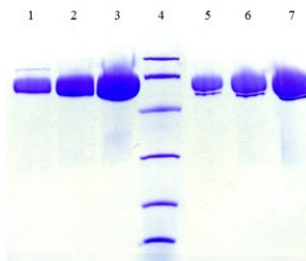


SERPINA3

Native Human Alpha-1-antichymotrypsin

Catalog No.	CSI19774A CSI19774B	Quantity:	100 µg 1.0 mg
Alternate Names:	Alpha-1-antichymotrypsin, ACT, Cell growth-inhibiting gene 24/25 protein, Serpin A3		
Description:	An acute-phase plasma protein found at 45 mg per 100 ml. Anti-chymotrypsin (ACT) functions as a specific inhibitor of chymotrypsin-like serine proteases. Clinically, it is elevated in inflammatory conditions, some malignancies, Crohn's disease, ulcerative colitis, and burn injuries. The PSA-ACT complex level is considered a biomarker for prostate cancer.		
UniProt ID:	P01011		
Gene ID:	12		
Source:	Human Plasma		
Molecular Weight:	64 kDa		
Formulation:	Lyophilized from 20 mM Tris-HCl, 150 mM NaCl, pH 7.4		
Purity:	>95% by SDS-PAGE analysis		
Extinction Coefficient:	$E^{0.1\%}_{280\text{nm}} = 0.59$		
Reconstitution:	Centrifuge vial prior to opening. Add sterile distilled water to a concentration of 0.1 -1.0 mg/mL and gently pipette the solution up and down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution.		
Storage & Stability:	Store lyophilized product at -20°C to -80°C for up to 1 year. Upon reconstitution, prepare working aliquots and store at -20°C to -80°C. Avoid repeated freeze-thaw cycles.		
Certification:	Prepared from plasma shown to be non-reactive for HbsAG, anti-HCV, anti-HBc, and negative for anti-HIV 1 & 2 by FDA approved tests.		



1. Human Alpha-1 Antichymotrypsin (5 ug) R
 2. Human Alpha-1 Antichymotrypsin (10 ug) R
 3. Human Alpha-1 Antichymotrypsin (20 ug) R
 4. Molecular Weight Markers
 5. Human Alpha-1 Antichymotrypsin (5 ug) NR
 6. Human Alpha-1 Antichymotrypsin (10 ug) NR
 7. Human Alpha-1 Antichymotrypsin (20 ug) NR

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.



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