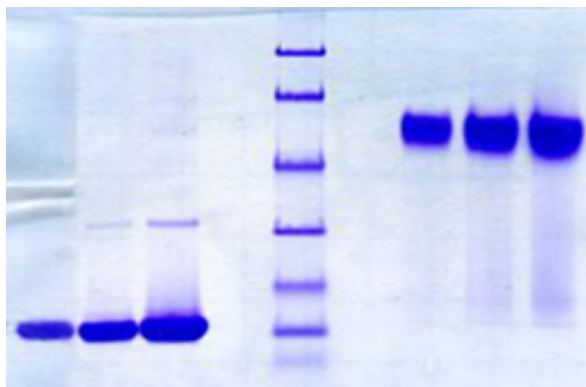


## TTR

### Native Human Transthyretin (Prealbumin)

<b>Catalog No.</b>	CSI19827A CSI19827B	<b>Quantity:</b>	1.0 mg 5.0 mg
<b>Alternate Names:</b>	Transthyretin, ATTR, TBPA, Prealbumin		
<b>Description:</b>	Transthyretin, a transport protein in the plasma and cerebrospinal fluid for thyroid hormone thyroxine (T4) and retinol to the liver. The protein was originally called prealbumin because it migrated faster than albumin on electrophoresis gels. Prealbumin was felt to be a misleading name, as it is not a synthetic precursor of albumin. The alternative name of transthyretin ( <b>transport of thyroxine and retinol</b> ) was proposed in 1981. TTR misfolding and aggregation is known to be associated with amyloid diseases, including wild-type transthyretin amyloidosis, hereditary transthyretin amyloidosis, familial amyloid polyneuropathy (FAP), and familial amyloid cardiomyopathy (FAC).		
<b>UniProt ID:</b>	P02766		
<b>Source:</b>	Human plasma		
<b>Molecular Weight:</b>	55 kDa, tetramer		
<b>Concentration:</b>	Report mg/ml, prior to lyophilization		
<b>Volume:</b>	Report ml, prior to lyophilization		
<b>Formulation:</b>	Lyophilized from 50 mM sodium phosphate, 150 mM NaCl, pH 7.5		
<b>Purity:</b>	≥ 95% by SDS-PAGE analysis		
<b>Extinction Coefficient:</b>	$E^{0.1\%}_{280\text{nm}} = 1.35$		
<b>Storage &amp; Stability:</b>	Store at -80°C for up to 1 year. Upon initial thaw, prepare working aliquots and store at -80°C. <b>Avoid repeated freeze-thaw cycles.</b>		
<b>Infectious Disease Statement:</b>	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.		
<b>Country of Origin:</b>	USA		

SDS-PAGE: reduced & non-reduced



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