



# Human Complement Factor P (DAG4680)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Human Complement Factor P (Properdin)
<b>Antigen Description</b>	Complement factor P (properdin) is purified from normal human serum. Factor P is a 53,000 dalton cationic protein that circulates in blood in the form of dimers, trimers and tetramers. It binds rapidly to C3b on surfaces where complement has begun to acti
<b>Species</b>	Human
<b>Purity</b>	> 90% by SDS-PAGE
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	immunogen
<b>Format</b>	Frozen liquid
<b>Concentration</b>	1.0 mg/ml (see Certificate of Analysis for actual concentration)
<b>Buffer</b>	10 mM Sodium phosphate, 145 mM NaCl, pH 7.3
<b>Preservative</b>	None
<b>Storage</b>	2-8°C short term, -20°C long term

## BACKGROUND

<b>Introduction</b>	This gene encodes a plasma glycoprotein that positively regulates the alternative complement pathway of the innate immune system. This protein binds to many microbial surfaces and apoptotic cells and stabilizes the C3- and C5-convertase enzyme complexes in a feedback loop that ultimately leads to formation of the membrane attack complex and lysis of the target cell. Mutations in this gene result in two forms of properdin deficiency, which results in high
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susceptibility to meningococcal infections. Multiple alternatively spliced variants, encoding the same protein, have been identified.

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**Keywords**

complement factor properdin; BFD; PFC; PFD; CFP; properdin; OTTHUMP00000216155; OTTHUMP0000023223; properdin P factor, complement; complement factor P

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