

## Product datasheet for **TP726789**

### C Reactive Protein (CRP) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human C-Reactive Protein/CRP (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Gln19-Pro224
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of 20mMTris, 2MUrea, pH 8.0.
Note:	Recombinant Human C-Reactive Protein is produced by our E.coli expression system and the target gene encoding Gln19-Pro224 is expressed with a 6His tag at the C-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	1401
UniProt ID:	<u><a href="#">P02741</a></u>
Summary:	C-reactive protein (CRP) belongs to the pentaxin family. CRP is a secreted protein found in plasma. It can binds two calcium ions per subunit.CRP can promotes phagocytosis, bacterial capsular swelling, complement fixation and agglutination through its calcium-dependent binding to phosphorylcholine which expressed on the surface of dead or dying cells. It can activate the complement system via the C1Q complex. CRP can interact with DNA and histones. In addition, CRP may scavenge nuclear material released from damaged circulating cells.


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