CRP Biological Fluid – Serum

PRODUCT OVERVIEW

Product Name	Serum (CRP), Biological Fluid
Full Product Name	Human Serum (CRP Depleted)
Product Gene Name	CRP biological fluid
Product Synonym Names	Normal Human Serum
Host	Human
Form/Format	Single homogenous batch of human serum, CRP depleted, 0.2 um filtered
Concentration	10ml per vial; <300ng CRP/ml by Roche Cobas Immunoassay (lot specific)
Preparation and Storage	Ships on dry ice. Upon receipt store at -20°C.
OMIM	123260
3D Structure	ModBase 3D Structure for P02741
Host Note	Normal pooled human serum
Contaminants	Bioburden: <10 CFU/ml
Biohazard Information	This product has been tested at serum donor level by FDA approved methods and found NEGATIVE for HIV 1 & 2 antibodies and Hepatitis B surface antigen. It is recommended to observe full safety precautions when handling this material, since no testing method can completely assure the absence of all infectious agents.
Dry Ice Shipment	Extra charge fee may add to your shipping cost as dry ice is required to ship this product.
Product Categories/Family for CRP biological fluid	Serum; Plasma & Blood; Human Serum & Plasma
Related Product Information for CRP biological fluid	In blood, the serum is the component that is neither a blood cell (serum does not contain white or red blood cells) nor a clotting factor; it is the blood plasma with the fibrinogens removed. Serum includes all proteins not used in blood clotting and all the electrolytes, antibodies, antigens, hormones, and any exogenous substances (e.g., drugs and microorganisms).
Other Notes	Small volumes of CRP biological fluid vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CRP purchase	MBS539648 is a biological fluid targeting CRP. Also known as Human Serum (CRP Depleted). Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CRP. It may not necessarily be applicable to this product.

NCBI GI #	30224
NCBI GeneID	1401
NCBI Accession #	CAA39671.1
UniProt Primary Accession #	P02741
UniProt Secondary Accession #	Q08AK3; Q8WW75; A8K078; D3DVD9; D3DVE0
UniProt Related Accession #	P02741

NCBI Official Full Name	C-reactive protein
NCBI Official Synonym Full Names	C-reactive protein, pentraxin-related
NCBI Official Symbol	CRP
NCBI Official Synonym Symbols	PTX1
UniProt Protein Name	C-reactive protein
Protein Family	C-reactive protein
UniProt Gene Name	CRP
UniProt Synonym Gene Names	PTX1
UniProt Entry Name	CRP_HUMAN
NCBI Protein Information	C-reactive protein
NCBI Summary for CRP	The protein encoded by this gene belongs to the pentaxin family. It is involved in several host defense related functions based on its ability to recognize foreign pathogens and damaged cells of the host and to initiate their elimination by interacting with humoral and cellular effector systems in the blood. Consequently, the level of this protein in plasma increases greatly during acute phase response to tissue injury, infection, or other inflammatory stimuli. [provided by RefSeq, Sep 2009]
UniProt Comments for CRP	CRP: Displays several functions associated with host defense: it promotes agglutination, bacterial capsular swelling, phagocytosis and complement fixation through its calcium-dependent binding to phosphorylcholine. Can interact with DNA and histones and may scavenge nuclear material released from damaged circulating cells. Belongs to the pentaxin family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 1q23.2 Cellular Component: extracellular space; growth cone; extracellular region; filopodium Molecular Function: choline binding; protein binding; protein homodimerization activity; low-density lipoprotein receptor binding; complement component C1q binding; cholesterol binding; low-density lipoprotein binding; virion binding; calcium ion binding Biological Process: protein polymerization; defense response to Gram-positive bacterium; response to ethanol; negative regulation of vasodilation; wound healing; positive regulation of superoxide release; response to lead ion; acute-phase response; response to hypoxia; opsonization; inflammatory response; complement activation, classical pathway; aging
Research Articles on CRP	**1.** Elevated hs-CRP levels were associated with increased risk of disabling dementia in individuals with history of stroke but not in those without it.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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