

Human C-Reactive Protein Reference standard

Cat. No. CRP-78H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Calibrant for C-reactive protein assays.
Species	Human
Enzyme Unit	49 milli-International Units (IU) per ampoule.
Usage	No attempt should be made to weigh out any portion of the freeze-dried material prior to reconstitution. For all practical purposes each ampoule contains the same amount of the same materials. Dissolve the total contents in a known amount of suitable buffer solution with carrier protein (free of peptidase), where extensive dilution is required, to minimise loss by surface adsorption. For economy of use it is recommended that the solution be subdivided into several small containers, which are frozen rapidly to below -40°C and then stored below -40°C in the dark. Repeated freezing and thawing should be avoided.
Notes	This preparation is not for administration to humans. The preparation contains material of human origin, and either the final product or the source materials, from which it is derived, have been tested and found negative for HBsAg, anti-HIV and HCV RNA. As with all materials of biological origin, this preparation should be regarded as potentially hazardous to health. It should be used and discarded according to your own laboratorys safety procedures. Such safety procedures should include the wearing of protective gloves and avoiding the generation of aerosols. Care should be exercised in opening ampoules or vials, to avoid cuts.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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Stability Reference materials are held at Creative Biomart within assured, temperature-controlled storage facilities. Reference Materials should be stored on receipt as indicated on the label. Once reconstituted, diluted or aliquoted, users should determine the stability of the material according to their own method of preparation, storage and use.

Storage Store at -20°C or below. Please note: because of the inherent stability of lyophilized material, Creative Biomart may ship these materials at ambient temperature.

GENE INFORMATION

Gene Name CRP C-reactive protein, pentraxin-related [Homo sapiens];

Official Symbol CRP

Synonyms CRP; C-reactive protein, pentraxin-related; C-reactive protein; pentraxin 1; PTX1; MGC88244; MGC149895;

Gene ID 1401

mRNA Refseq NM_000567

Protein Refseq NP_000558

MIM 123260

UniProt ID P02741

Chromosome Location 1q21-q23

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Pathway

Classical antibody-mediated complement activation, organism-specific biosystem; Complement cascade, organism-specific biosystem; Creation of C4 and C2 activators, organism-specific biosystem; IL6-mediated signaling events, organism-specific biosystem; Immune System, organism-specific biosystem; Initial triggering of complement, organism-specific biosystem; Innate Immune System, organism-specific biosystem;

Function

Gram-positive bacterial cell surface binding; binding; cholesterol binding; choline binding; low-density lipoprotein particle binding; metal ion binding; protein binding; protein homodimerization activity;

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