

C3 (Human) Native Protein

Catalog # P4945

Size 100 ug

Specification

Product Description

Human C3 native protein from human plasma.

Sequence

SPMYSITPNILRLESEETMVLEAHDAQGDVPVTVTHDFPGKKLVLSSEKTVLTPATNHMGNVFTF
IPANREFKSEKGRNKFVTVQATFGTQVVEKVVVLSLQSGYLFIQTDKTIYTPGSTVLYRIFTVNHKLL
PVGRTVMVNIENPEGIPVKQDSLSSQNQLGVLPLSWDIPELVNMGQWKIRAYYENSPQQVFSTEF
EVKEYVLPSFEVMEPETEKFYYNEKGLEVTITARFLYGKKVEGTAFFVIFGIQDGEQRISLPESLKRIPI
EDSGSEVVLSRKVLLDGVQNPRAEDLVGKSLYVSATVILHSGSDMVQAERSGIPVTSPYQIHFTK
TPKYFKPGMPFDLMVFVTNPDGSPAYRVPVAVQGEDTVQSLTQGDGVAKLSINTHPSQKPLSITV
RTKKQELSEAEQATRMTQALPYSTVGNSNNYLHLSVLRTELRPGETLVNLFLLRMDRAHEAKIRYY
TYLIMNKGRLKAGRQVREPGQDLVVLPLSITTDIFPSFRLVAYYTLIGASGQREVVADSVWVDVKD
SCVGSLLVKSQGSEDRQPVPGQQMTLKIEGDHGARVVLVAVDKGVFVLNKKNLTKSKWDDVV
EKADIGCTPGSGKDYAGVFS DAGLTFTSSSSGQQAQRAELQCPQPAARRRRSVQLTEKRMDKV
GKYPKELRKCCEDGMRENPMRFSCQRRTRFISLGEACKKVFLDCCNYTELRRQHARASHLGLA
RSNLDEIIAEENIVSRSEFPESWLWNVEDLKEPPKNGISTKLMNIFLKDSITTWEILAVMSDKKGI
CVADPFEVTVMQDFFIDLRLPYSVVRNEQVEIRAVLYNYRQNQELKVRVELLHNPAFCSLATTKRR
HQQTVTIPPKSSLSVPYVIVPLKTGLQEVEVKAAYYHHFISDGVRSKSLKVPEGIRMNKTAVVRTLD
PERLGREGVQKEDIPPADLSDQVPDTESETRILLQGTPVAQMTEDAVDAERLKHLMTPSGCGEQ
NMIGMTPTVIAVHYLDETEQWEKFGLEKRQGALELIKKGYTQQLAFRQPSSAFAAFVKRAPSTWLT
AYVVKVFS LAVNLAIDSQVLCGAVKWLILEKQKPDGVFQEDAPVIHQEMIGGLRNNNEKDMALTA
FVLISLQEAKDICEEQVNSLPGSITKAGDFLEANYMNLQRSYTVAIAGYALAQMGRLKGPLLNKFLT
TAKDKNRWEDPGKQLYNVEATSYALLALLQLKDFDFVPPVVRWLNEQRYGGGYGSTQATFMVF
QALAQYQKDAPDHQELNLDVSLQLPSRSSKITHRIHWESASLLRSEETKENEGFTVTAEGKGQGT
LSVVTMYHAKAKDQLTCNKFDLKVTIKPAPETEKRPQDAKNTMILEICTRYRGDQDATMSILDISM
TGFA PD TDDLKQLANGVDRIYSKYELDKAFSDRNTLIIMLDKVS HSEDDCLAFKVHQYFNVELIQPG
AVKVYAYNLEESCTRFYHPEKEDGKLNKLCRDEL CRCAEENCFIQSDDKV TLEERLDKACEP
GVDYVYKTRLVKVQLSND FDEYIMAEQTIKSGSDEVQVGQRTFISPIKCREALKLEEKHYLMW
GLSSDFWGEKPNLSYIGKDTWVEHWPEEDEQCDEENQKQCQDLGAFTESMVVFGCPN

Host

Human

Theoretical MW (kDa)

185

Form

Lyophilized

Preparation Method

Native protein purified from human plasma.

Purity

> 90% by SDS-PAGE

Storage Buffer

Lyophilized from sodium phosphate buffer, 0.15 M NaCl, pH 7.2 (5% Treharose).

Storage Instruction

Store at -80°C.

After reconstitution with 100 uL deionized water, store at -80°C.

Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — C3

Entrez GeneID [718](#)

Protein Accession# [P01024](#)

Gene Name C3

Gene Alias ARMD9, ASP, CPAMD1

Gene Description complement component 3

Omim ID [120700](#)

Gene Ontology [Hyperlink](#)

Gene Summary Complement component C3 plays a central role in the activation of complement system. Its activation is required for both classical and alternative complement activation pathways. People with C3 deficiency are susceptible to bacterial infection. [provided by RefSeq]

Other Designations acylation-stimulating protein cleavage product|complement component C3

Pathway

- [Complement and coagulation cascades](#)
- [Systemic lupus erythematosus](#)

Disease

- [Alzheimer disease](#)
- [Asthma](#)

- [Atherosclerosis](#)
- [Birth Weight](#)
- [Brain Ischemia](#)
- [Bronchial Hyperreactivity](#)
- [Bronchiolitis](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Chlamydia Infections](#)
- [Choroidal Neovascularization](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Dermatitis](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Diseases in Twins](#)
- [Edema](#)
- [Erythema Nodosum](#)
- [Genetic Predisposition to Disease](#)
- [Geographic Atrophy](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Hematologic Diseases](#)
- [Hemolytic-Uremic Syndrome](#)

- [Hypersensitivity](#)
- [Hypertension](#)
- [Infant](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Leukemia](#)
- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Macular Degeneration](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Metabolic Syndrome X](#)
- [Migraine Disorders](#)
- [Neoplasms](#)
- [Occupational Diseases](#)
- [Osteoporosis](#)
- [Ovarian Neoplasms](#)
- [Pulmonary Disease](#)
- [Recurrence](#)
- [Respiratory Syncytial Virus Infections](#)
- [Retinal Drusen](#)
- [Sarcoidosis](#)
- [Stroke](#)
- [Tobacco Use Disorder](#)
- [Trachoma](#)

- [Tuberculosis](#)
- [Vision](#)
- [Wet Macular Degeneration](#)