

Complement C4 Active Protein | C4a active protein

Purified native Human Complement C4 protein

CATALOG #
AAA224701

HOST
Human

PRODUCT SYNONYMS

Complement C4; Purified native Human Complement C4 protein; Complement C4 protein; C4a active protein

PRODUCT SPECIFICATIONS

Host	Human
Purity/Purification	≥ 95% by SDS-PAGE
Form/Format	0.2 um filtered, frozen solution in PBS, pH 7.4.
Concentration	2.3 mg/ml ($E^{0.1\%}_{280nm}=0.92$) (varies by lot)
Sequence Length	1737
Source Note	Human Plasma
Biohazard	Negative or non-reactive at the donor level for anti-HIV 1 and 2, anti HCV, HBsAg and Syphilis by FDA approved methods. However, as no test method can offer complete assurance that infectious agents are absent, handle as possibly infectious.
Protein Type	Native
Biological Significance	Component C4 interacts with C1 and C2 to form C3 convertase of the classic activation pathway. Systemic lupus erythematosus (SLE) is often associated with congenital C4 deficiency. Reduced levels of components of the classic pathway (C1, C2, C4, C3) are common after such activation, e.g. in SLE, acute serum sickness and conditions associated with circulating immune complexes. The common form present in plasma and used in test assays is the C4c form offered here.
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Upon receipt store at -20°C. Avoid repeat freeze-thaws.

ADDITIONAL INFORMATION

Product Categories/Family for C4a active protein	Immunology
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NCBI AND UNIPROT INFORMATION

NCBI GI #	158186621
NCBI GeneID	24233
NCBI Accession #	NP_113692.2
NCBI GenBank Nucleotide #	NM_031504.3
UniProt Accession #	P08649; Q62895; Q8R403
Molecular Weight	147,000
NCBI Official Full Name	complement C4

NCBI Official Synonym Full Names	complement component 4A (Rodgers blood group)
NCBI Official Symbol	C4a
NCBI Official Synonym Symbols	C4; C4b; C4-1
NCBI Protein Information	complement C4
UniProt Protein Name	Complement C4
UniProt Gene Name	C4
UniProt Synonym Gene Names	C4a

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/human-active-protein/complement-c4/224701>