

## Recombinant Human C5 293 Cell Lysate

**Cat. No.** C5-8020HCL    **Lot. No.** (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Antigen standard for complement component 5 (C5) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
<b>Components</b>	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
<b>Applications</b>	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

## GENE INFORMATION

**Gene Name** [C5 complement component 5 \[ Homo sapiens \]](#)

**Official Symbol** [C5](#)

**Synonyms** [C5](#); [complement component 5](#); [complement C5](#); [CPAMD4](#); [anaphylatoxin C5a analog](#); [C3 and PZP-like alpha-2-macroglobulin domain-containing protein 4](#); [FLJ17816](#); [FLJ17822](#); [MGC142298](#);

**Gene ID** [727](#)

**mRNA Refseq** [NM\\_001735](#)

**Protein Refseq** [NP\\_001726](#)

**MIM** [120900](#)

**UniProt ID** [P01031](#)

**Chromosome Location** [9q33-q34](#)

**Pathway** [Activation of C3 and C5, organism-specific biosystem](#); [Class A/1 \(Rhodopsin-like receptors\), organism-specific biosystem](#); [Complement Activation, Classical Pathway, organism-specific biosystem](#); [Complement and coagulation cascades, organism-specific biosystem](#); [Complement and coagulation cascades, conserved biosystem](#); [Complement cascade, organism-specific biosystem](#); [G alpha \(i\) signalling events, organism-specific biosystem](#);

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**Function**

C5a anaphylatoxin chemotactic receptor binding; chemokine activity; endopeptidase inhibitor activity; receptor binding;

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