

Product Datasheet

Human Complement C5 Protein, His Tag (orb612143)

Description	Human Complement C5 (R885H), His Tag is expressed from human 293 cells (HEK293). It contains AA Gln 19 - Cys 1676 (Accession # P01031-1 (R885H)).
Reactivity	Human
Endotoxins	1.0 EU per µg
Conjugation	Unconjugated
Target	Complement C5
Preservatives	PBS, pH7.4
Form/Appearance	Powder
Storage	-20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20°C or lower.
Tag	C-10×His
Note	For research use only
Application notes	This protein carries a polyhistidine tag at the C-terminus. The mature form of Complement C5 is a disulfide-linked heterodimer composed of proteolytically cleaved α and β chain. Each α and β chain has a calculated MW of 73.9 kDa (β chain) and 114.7 kDa (α chain). The protein migrates as 70 kDa (β chain) and 110-120 kDa (α chain) when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition, and 180 kDa under non-reducing (NR) condition (SDS-PAGE).
Biologically Active?	Yes
Biological Activity	Immobilized Human Complement C5 (R885H), His Tag at 2 µg/mL (100 µL/well) can bind Anti-C5a (Human IgG1) with a linear range of 0.2-6 ng/mL (QC tested).

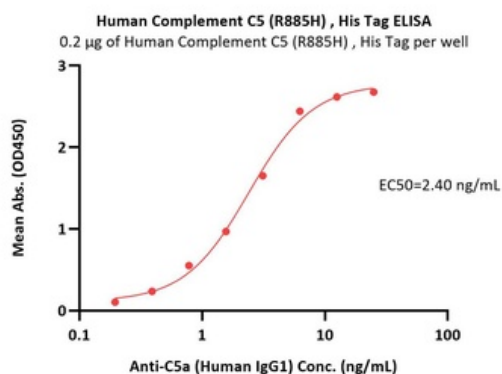
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Purity	90%
Source	Human Complement C5 (R885H), His Tag (orb612143) is expressed from human 293 cells (HEK293). It contains AA Gln 19 - Cys 1676 (Accession # P01031-1 (R885H)).
MW	73.9 kDa (β chain) & 114.7 kDa (α chain)
Uniprot ID	P01031
NCBI	NP_001726.2
Expiration Date	6 months from date of receipt.



Immobilized Human Complement C5 (R885H), His Tag (Cat. No. orb612143) at 2 μ g/mL (100 μ L/well) can bind Anti-C5a (Human IgG1) with a linear range of 0.2-6 ng/mL (QC tested).

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