

Product Datasheet

Rat Complement C5 Protein, His Tag (orb570266)

Description	Rat Complement C5, His Tag is expressed from human 293 cells (HEK293). It contains AA Gln 24 - Ala 1688 (Accession # XP_001079130.2).
Reactivity	Rat
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 74.1 kDa (β chain) and 114.8 kDa (α chain). The protein migrates as 70 kDa and 110 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.
Biologically Active?	Yes
Biological Activity	Immobilized Rat Complement C5, His Tag at 2 µg/mL (100 µL/well) can bind Anti-C5a (Human IgG1) with a linear range of 0.4-12.5 ng/mL (QC tested).
Purity	95%

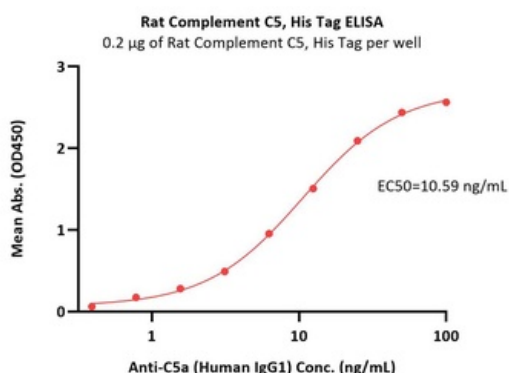
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Source	Rat Complement C5, His Tag (orb570266) is expressed from human 293 cells (HEK293). It contains AA Gln 24 - Ala 1688 (Accession # XP_001079130.2).
MW	74.1 kDa (β chain) & 114.8 kDa (α chain)
NCBI	XP_001079130.2
Expiration Date	6 months from date of receipt.



Immobilized Rat Complement C5, His Tag (Cat. No. orb570266) at 2 μ g/mL (100 μ L/well) can bind Anti-C5a (Human IgG1) with a linear range of 0.4-12.5 ng/mL (QC tested).

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