

Active Recombinant Mouse Hc protein, His-tagged

Cat. No. Hc-375M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Mouse Hc protein(P06684)(679~755 aa), fused with N-terminal His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	679-755 aa
Form	Lyophilized from sterile PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Bio-activity	Complement Component 5a (C5a) is a component of the complement system which plays a key role in promoting migration and adherence of neutrophils and monocytes to vessel walls. The activity of recombinant mouse C5a was also measured by its ability to induce N-acetyl-β-D-glucosaminidase release from differentiated U937 human histiocytic lymphoma cells. 3.2*10⁶ differentiated U937 cells were added to the 24-well plate and different concentrations of rmC5a was added to the 24-well plate and incubated at 37°C for 3min. The cells were centrifuged at 400 g for 3min, and the supernatant contained N-acetyl-β-D-glucosaminidase. The enzyme activity of N-acetyl-β-D-glucosaminidase was measured by the substrate of 4-Nitrophenyl 2-acetamido-2-deoxy-β-D-glucopyranoside. It was obvious that rmC5a can significantly induce N-acetyl-β-D-glucosaminidase release.

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Molecular Mass	10.5kDa
Endotoxin	<1.0EU per 1µg (determined by the LAL method).
Purity	> 95% as determined by SDS-PAGE.
Storage	Avoid repeated freeze/thaw cycles. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.
Reconstitution	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

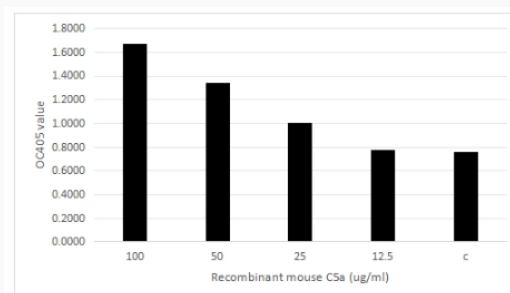
Gene Name	Hc hemolytic complement [Mus musculus]
Official Symbol	Hc
Synonyms	HC; hemolytic complement; complement C5; C5; He; C5a;
Gene ID	15139
mRNA Refseq	NM_010406
Protein Refseq	NP_034536

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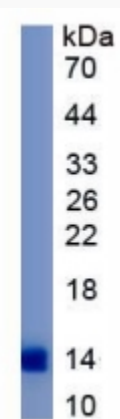
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Activity



SDS-PAGE



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