

Active Recombinant Human LY6E Protein, Fc-tagged

Cat. No. LY6E-10976H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human Ly6E Protein, Fc Tag is expressed from human 293 cells (HEK293). It contains AA Leu 21-Ser 101 (Accession # Q16553-1). This protein carries a human IgG1 Fc tag at the C-terminus. Predicted N-terminus: Leu 21
Species	Human
Source	HEK293
ProteinLength	21-101 aa
Description	This gene belongs to the human Ly6 gene family and encodes a glycosylphosphatidyl-inositol (GPI)-anchored cell surface protein. The protein plays an important role in T cell physiology, oncogenesis and immunological regulation.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Human Ly6E Protein, Fc Tag at 1 µg/mL (100 µL/well) can bind Anti-LY6E mAb, Human IgG1 with a linear range of 1-16 ng/mL.
Molecular Mass	The protein has a calculated MW of 34.9 kDa. The protein migrates as 40-43 kDa when calibrated against Star Ribbon Pre-stained Protein Marker under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU/µg by the LAL method/rFC method.

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Purity	>90% as determined by SDS-PAGE.
Storage	This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution. For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 µg/µL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	LY6E lymphocyte antigen 6 complex, locus E [Homo sapiens (human)]
Official Symbol	LY6E
Synonyms	LY6E; lymphocyte antigen 6 complex, locus E; lymphocyte antigen 6E; retinoic acid induced gene E; RIG E; SCA 2; TSA 1; ly-6E; stem cell antigen 2; thymic shared antigen 1; retinoic acid-induced gene E protein; RIGE; SCA2; RIG-E; SCA-2; TSA-1;
Gene ID	4061
mRNA Refseq	NM_001127213
Protein Refseq	NP_001120685
MIM	601384
UniProt ID	Q16553

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