

Active Recombinant Human IGHE protein, His-tagged

Cat. No. IGHE-696H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IGHE protein(Ser 106 - Gly 427), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	106-427 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Cynomolgus Fc epsilon RI alpha, His Tag immobilized on CM5 Chip can bind Human IgE Fc, His Tag with an affinity constant of 0.226 nM as determined in a SPR assay (Biacore 8K). Human Fc epsilon RI alpha, Fc Tag immobilized on CM5 Chip can bind Human IgE Fc, His Tag with an affinity constant of 0.585 nM as determined in a SPR assay (Biacore 8K).
Molecular Mass	This protein carries a polyhistidine tag at the C-terminusThe protein has a calculated MW of 37.6 kDa. The protein migrates as 45-50 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Ser106-Gly427
Endotoxin	Less than 1.0 EU per µg by the LAL method.

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Purity	>95% as determined by SDS-PAGE.
Storage	For long term, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	IGHE Immunoglobulin heavy constant epsilon [Homo sapiens]
Official Symbol	IGHE
Synonyms	IGHE; Immunoglobulin heavy constant epsilon;
Gene ID	28223

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