

Fc epsilon RI alpha Active Protein | FcepsilonRIalpha active protein

Recombinant Human Fc epsilon RI alpha protein

CATALOG # AAA48987	HOST HEK293	APPLICATIONS SDS-Page
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PRODUCT SYNONYMS

Fc epsilon RI alpha; Recombinant Human Fc epsilon RI alpha protein; High affinity immunoglobulin epsilon receptor subunit alpha isoform1; FCERIA; FCERA; Fc epsilon receptor Ia; Fc-epsilon RI-alpha; Fc epsilon RI alpha chain; FcERI; IgE Fc receptor subunit alpha; FCER1A; FCE1A; FcepsilonRIalpha active protein

PRODUCT SPECIFICATIONS

Host	HEK293
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid in. Phosphate-Buffered Saline (pH7.4) containing 10% glycerol
Concentration	1mg/ml (determined by Absorbance at 280nm) (varies by lot)
Sequence Positions	26-205aa
Sequence	Val26 V P Q K P K V S L N P P W N R I F K G E N V T L T C N G N N F F E V S S T K W F H N G S L S E E T N S S L N I V N A K F E D S G E Y K C Q H Q Q V N E S E P V Y L E V F S D W L L L Q A S A E V V M E G Q P L F L R C H G W R N W D V Y K V I Y Y K D G E A L K Y W Y E N H N I S I T N A T V E D S G T Y Y C T G K V W Q L D Y E S E P L N I T V I K A P R E K Y W L Q < H H H H H H >
Applicable Applications for FcepsilonRIalpha active protein	Bioactivity, SDS-PAGE
Species	Human
Endotoxin	< 1 EU per 1ug of protein (determined by LAL method)
Tag	His-Tag
Preparation and Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

ADDITIONAL INFORMATION

Related Product Information for FcepsilonRIalpha active protein	Fc epsilon RI alpha, also known as FCER1A, is an IgE-binding protein of the multichain immune recognition family. Fc epsilon receptor is a tetrameric complex of one alpha, one beta and two gamma subunits on mast cells and basophils. This protein represents the alpha subunit, only the alpha subunit is glycosylated. The immunoglobulin epsilon receptor (IgE receptor) is the initiator of the allergic response. When two or more high-affinity IgE receptors are brought together by allergen-bound IgE molecules, mediators such as histamine that are responsible for allergy symptoms are released. A perturbation occurs that brings about the release of histamine and proteases from the granules in the cytoplasm of the mast cell and leads to the synthesis of prostaglandins and leukotrienes—potent effectors of the hypersensitivity response. Recombinant human Fc epsilon RI alpha/FCER1A, fused to His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.
Product Categories/Family for FcepsilonRIalpha active protein	Immunology ; Proteins
References	ZHANG,Y., et al. (2012) Zhonghua Er Bi Yan Hou Tou Jing Wai Ke Za Zhi 47 (4), 289-293. Zhou,J., et al. (2012) Hum. Immunol. 73 (3), 301-305. D Maurer., et al. (1996) J Immunol. 157(2),607-616.

NCBI AND UNIPROT INFORMATION

UniProt Accession #	P12319
Molecular Weight	21.8kDa (186aa)
UniProt Protein Name	High affinity immunoglobulin epsilon receptor subunit alpha
UniProt Gene Name	FCER1A
UniProt Synonym Gene Names	FCE1A; FcERI
UniProt Entry Name	FCERA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hek293-fcepsilonrialpha-active-protein/fc-epsilon-ri-alpha/48987>