Recombinant human Fc epsilon RI alpha/FCER1A protein

Catalog Number: ATGP2394

PRODUCT INFORMATION

Expression system
E.coli

Domain
26-205aa

UniProt No.
P12319

NCBI Accession No.
NP_001992.1

Alternative Names
High affinity immunoglobulin epsilon receptor subunit alpha, Fc-epsilon RI-alpha, FcepsilonRI alpha chain, FcERI, IgE Fc receptor subunit alpha, FCER1A, FCE1A

PRODUCT SPECIFICATION

Molecular Weight
23.4 kDa (203aa) confirmed by MALDI-TOF

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 30% glycerol, 1mM DTT

Purity
> 85% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
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.

BACKGROUND

Description
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. This receptor is comprised of an alpha subunit, a beta subunit, and two gamma subunits. FCER1A represents the alpha subunit. Recombinant human FCER1A protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography

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techniques.

Amino acid Sequence

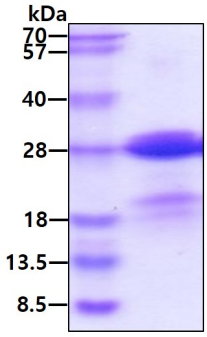
<MGSSHHHHHH SSGLVPRGSH MGS>VPQKPKV SLNPPWNRIF KGENVTLTCN GNNFFEVSST KWFHNGSLSE ETNSSLNIVN AKFEDSGEYK CQHQQVNESE PVYLEVFSDW LLLQASAEVV MEGQPLFLRC HGWRNWDVYK VIYYKDGEAL KYWYENHNIS ITNATVEDSG TYYCTGKVWQ LDYESEPLNI TVIKAPREKY WLQ

General 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

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.