

FCER1A, 26-205aa, Human, His tag, E.coli

Cat.NO.: TP02101

3th Edition

Synonyms:high affinity immunoglobulin epsilon receptor subunit alpha precursor, FCE1A, FcERI

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 techniques.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

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

Sequences:

MGSSHHHHHSSGLVPRGSHMGSPQPKVSLNPPWNRIFKGENVTLCNGNFFFEVSSTKWFHNGSLSEETNS
SLNIVNAKFEDSGEYKQHQVNESEPVYLEVFSDWLLLQASAEVVMGQPLFLRCHGWRNWDVYKVIYYKDGE
ALKYWYENHNISITNATVEDSGTYCTGKVVQLDYESEPLNITVIKAPREKYWLQ

Purity:> 95% by HPLC

Concentration:0.25mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.