
Product Data Sheet

Product Name: FCER1A Human
 Cat. No.: GP23476
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Fc Fragment Of IgE; High Affinity I; Receptor For; Alpha Polypeptide; FCE1A; IgE Fc Receptor Subunit Alpha; FcERI; Fc-Epsilon RI-Alpha; Fc Epsilon RIAlpha-Chain; Fc IgE Receptor; Alpha Polypeptide; High Affinity Immunoglobulin Epsilon Receptor Alpha-Subunit; High Affinity Immunoglobulin Epsilon Receptor Subunit Alpha; Immunoglobulin E Receptor; High-Affinity; Of Mast Cells; Alpha Polypeptide.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSVPQKPKV SLNPPWNRIF KGENVTLTNCN GNNFFEVSST KWFHNGSLSEETNSSLNIVN AKFEDSGEYK CQHQQVNESE PVYLEVFSDW LLLQASAEVV MEGQPLFLRC HGWRNWDVYKVIYYKDGEAL KYWYENHNIS ITNATVEDSG TYYCTGKVVWQ LDYESEPLNI TVIKAPREKY WLQ		
Formulation	FCER1A protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

Introduction

Fc fragment of IgE, high affinity I, receptor for; alpha polypeptide (FCER1A) binds to the Fc region of immunoglobulins epsilon. FCER1A is a high affinity receptor. In addition FCER1A is responsible for starting the allergic response. Binding of allergen to receptor-bound IgE leads to cell activation and the release of mediators such as histamine which is responsible for the manifestations of allergy. This receptor contains an alpha subunit, a beta subunit, and two gamma subunits. FCER1A stands for the alpha subunit. Among the diseases associated with FCER1A are mast-cell leukemia, and allergic asthma.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze thaw cycles.

Background

FCER1A Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 203 amino acids (26-205aa) and having a molecular mass of 23.4kDa.

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