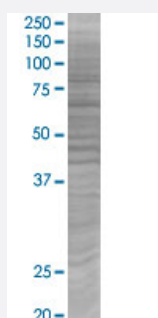


FCER1A 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00002205-T02

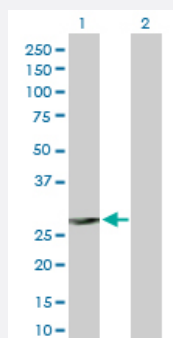
Size 100 uL

Applications



SDS-PAGE Gel

FCER1A transfected lysate.



Western Blot

Lane 1: FCER1A transfected lysate (29.60 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-FCER1A full-length

Host Human

Theoretical MW (kDa) 29.6

Quality Control Testing Transient overexpression cell lysate was tested with Anti-FCER1A antibody ([H00002205-D01P](#)) by Western Blots.
SDS-PAGE Gel
FCER1A transfected lysate.
Western Blot
Lane 1: FCER1A transfected lysate (29.60 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — FCER1A

Entrez GeneID	2205
GeneBank Accession#	NM_002001.2
Protein Accession#	NP_001992.1
Gene Name	FCER1A
Gene Alias	FCE1A, FcERI
Gene Description	Fc fragment of IgE, high affinity I, receptor for; alpha polypeptide
Omim ID	147140
Gene Ontology	Hyperlink
Gene Summary	The IgE receptor plays a central role in allergic disease, coupling allergen and mast cell to initiate the inflammatory and immediate hypersensitivity responses that are characteristic of disorders such as hay fever and asthma. The allergic response occurs when 2 or more high-affinity IgE receptors are crosslinked via IgE molecules that in turn are bound to an allergen (antigen) molecule. 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. The IgE receptor consists of 3 subunits: alpha, beta (MIM 147138), and gamma (MIM 147139); only the alpha subunit is glycosylated.[supplied by OMIM]
Other Designations	Fc IgE receptor, alpha polypeptide Fc epsilon RI alpha-chain Fc-epsilon RI-alpha high affinity immunoglobulin epsilon receptor alpha-subunit immunoglobulin E receptor, high-affinity, of mast cells, alpha polypeptide

Pathway

- [Asthma](#)

- [Fc epsilon RI signaling pathway](#)

Disease

- [Asthma](#)
- [Birth Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Chronic Disease](#)
- [Coronary Artery Disease](#)
- [Dermatitis](#)
- [Drug Hypersensitivity](#)
- [Eczema](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Glomerulonephritis](#)
- [Hypersensitivity](#)
- [Infant](#)
- [Inflammation](#)
- [Inflammatory Bowel Diseases](#)
- [Kidney Diseases](#)
- [Leukemia](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)

- [Occupational Diseases](#)
- [Periodontitis](#)
- [Respiratory Syncytial Virus Infections](#)
- [Urticaria](#)
- [Wegener Granulomatosis](#)