

Product datasheet for **SC122614**

Fc epsilon RI (FCER1A) (NM_002001) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fc epsilon RI (FCER1A) (NM_002001) Human Untagged Clone
Tag:	Tag Free
Symbol:	Fc epsilon RI
Synonyms:	FCE1A; FcERI
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_002001 edited
ACAGTAAGCACCCAGGAGTCCATGAAGAAGATGGCTCCTGCCATGGAATCCCCTACTCTAC
TGTGTGTAGCCTTACTGTTCTTCGCTCCAGATGGCGTGTAGCAGTCCCTCAGAAACCTA
AGGTCTCCTTGAACCCTCCATGGAATAGAATATTTAAAGGAGAGAATGTGACTCTTACAT
GTAATGGGAACAATTTCTTTGAAGTCAGTTCACCAAATGGTTCCACAATGGCAGCCTTT
CAGAAGAGACAAATTTCAAGTTTGAATATTGTGAATGCCAAATTTGAAGACAGTGGAGAAT
ACAAATGTCAGCACCAACAAGTTAATGAGAGTGAACCTGTGTACCTGGAAGTCTTCAGTG
ACTGGCTGCTCCTTCAGGCCTCTGCTGAGGTGGTATGGAGGGCCAGCCCTCTTCCTCA
GGTGCCATGGTTGGAGGAACTGGGATGTGTACAAGGTGATCTATTATAAGGATGGTGAAG
CTCTCAAGTACTGGTATGAGAACCACAACATCTCCATTACAAATGCCACAGTTGAAGACA
GTGGAACCTACTACTGTACGGGCAAAGTGTGGCAGCTGGACTATGAGTCTGAGCCCCTCA
ACATTACTGTAATAAAAGCTCCGCGTGAGAAGTACTGGCTACAATTTTTTATCCCATTGT
TGGTGGTGATTCTGTTTCTGTGGACACAGGATATTTATCTCAACTCAGCAGCAGGTCA
CATTTCTCTTGAAGATTAAGAGAACCAGGAAAGGCTTCAGACTTCTGAACCCACATCCTA
AGCCAAACCCCAAAAACAATGATATAATTACTCAAGAAATATTTGCAACATTAGTTTTT
TTCCAGCATCAGCAATTGCTACTCAATTGTCAAACACAGCTTGCAATATACATAGAAACG
TCTGTGCTCAAGGATTTATAGAAATGCTTCATTAACACTGAGTGAACTGGTTAAGTGCCA
TGTAATAGTAAGTGTCAATTAACATTGGTTGAATAAATGAGAGAATGAATAGATTTCATT
TATTAGCATTTGTAAGAGATGTTCAATTTCAATAAAATAAATAAAAACCAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAA



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_002001 unedited NGACACGTTTACATTTGTAACGACTCCTATAGGCGGCCGNAATTCGCCATTACGGCC GGGGACAGTAAGCACCAGGAGTCCATGAAGAAGAGGCTCCTGCCATGGAATCCCCTACTC TACTGTGTGTAGCCTTACTGTTCTTCGCTCCAGATGGCGTGTAGCAGTCCCTCAGAAAC CTAAGGTCTCCTGAACCCTCCATGGAATAGAATATTTAAAGGAGAGAATGTGACTCTTA CATGTAATGGGAACAATTTCTTTGAAGTCAGTTCACCAATGGTTCACAATGGCAGCC TTTCAGAAGAGACAAATTCAGTTTGAATATTGTGAATGCCAAATTTGAAGACAGTGGAG AATACAAATGTCAGCACCAACAAGTTAATGAGAGTGAACCTGTGTACCTGGAAAGTCTTCA GTGACTGGCTGCTCCTCAAGCCTCTGCTGAGGTGGTGTATGGAGGGCCAGCCCTCTTCC TCAGGTGCCATGGTTGGAGGAACTGGGATGTGTACAAAGTATCTATTATAAGGATGGTG AAGCTCTCAAGTACTGGTATGAGAACCAACATCTCCATTACAAATGCCACAGTTGAAG ACAGTGGAACTACTACTGTACGGGCAAAGTGTGGCAGCTGGACTATGAGTCTGAGCCCC TCAACATTACTGTAATAAAAGCTCCGCGTGAGAAGTACTGGCTACAATTTTTTATCCCAT TGTTGGTGGTATTCTGTTTGTGTGGACACAGGATTATTTATCTCAACTCAGCAGCAAG TCACATTTCTCTGAAGATTAAGAGAACAGGAAAGGCTTCAGACTTCTGAACCCACATC CTAGCCAAACCCAAAACCACTG
Restriction Sites:	Please inquire
ACCN:	NM_002001
Insert Size:	1102 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_002001.2</u> , <u>NP_001992.1</u>
RefSeq Size:	1191 bp
RefSeq ORF:	774 bp
Locus ID:	2205
UniProt ID:	<u>P12319</u>
Cytogenetics:	1q23.2

Protein Families:	Transmembrane
Protein Pathways:	Asthma, Fc epsilon RI signaling pathway
Gene Summary:	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. The protein encoded by this gene represents the alpha subunit. [provided by RefSeq, Aug 2011]