ERBB Receptor Feedback Inhibitor 1 (ERRFI1) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	ERBB Receptor Feedback Inhibitor 1 (ERRFI1), ELISA Kit
Full Product Name	Human ERBB Receptor Feedback Inhibitor 1 (ERRFI1) ELISA Kit
Product Gene Name	ERRFI1 elisa kit
Product Synonym Names	Mitogen-inducible gene 6 protein; receptor-associated late transducer; GENE-33; RALT
Species Reactivity	Human
Assay Type	Sandwich
Samples	Serum, Plasma, Tissue Homogenates or Other Biological Fluids
Detection Range	31.2-2000pg/mL
Sensitivity	12.5pg/mL
Molecular Weight	50,560 Da
OMIM	608069
3D Structure	ModBase 3D Structure for Q9UJM3
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for ERRFI1 elisa kit	MBS457249 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the ERBB Receptor Feedback Inhibitor 1 (ERRFI1) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing ERRFI1. The ELISA analytical biochemical technique of the MBS457249 kit is based on ERRFI1 antibody-ERRFI1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect ERRFI1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, ERRFI1. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of ERRFI1 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ERRFI1. It may not necessarily be applicable to this product.

NCBI GI #	10047086
NCBI GeneID	54206
NCBI Accession #	NP_061821.1
UniProt Primary Accession #	Q9UJM3
UniProt Secondary Accession #	Q9NTG9; Q9UD05; B2RDX9
UniProt Related Accession #	Q9UJM3
GenBank Nucleotide #	NM_018948.3
NCBI Official Full Name	ERBB receptor feedback inhibitor 1
NCBI Official Synonym Full Names	ERBB receptor feedback inhibitor 1

NCBI Official Symbol	ERRFI1
NCBI Official Synonym Symbols	MIG6; RALT; MIG-6; GENE-33
UniProt Protein Name	ERBB receptor feedback inhibitor 1
UniProt Synonym Protein Names	Mitogen-inducible gene 6 protein; MIG-6
Protein Family	ERBB receptor feedback inhibitor
UniProt Gene Name	ERRFI1
UniProt Synonym Gene Names	MIG6; MIG-6
NCBI Protein Information	ERBB receptor feedback inhibitor 1
NCBI Summary for ERRFI1	ERRFI1 is a cytoplasmic protein whose expression is upregulated with cell growth (Wick et al., 1995 [PubMed 7641805]). It shares significant homology with the protein product of rat gene-33, which is induced during cell stress and mediates cell signaling (Makkinje et al., 2000 [PubMed 10749885]; Fiorentino et al., 2000 [PubMed 11003669]).[supplied by OMIM, Mar 2008]
UniProt Comments for ERRFI1	Negative regulator of EGFR signaling in skin morphogenesis. Acts as a negative regulator for several EGFR family members, including ERBB2, ERBB3 and ERBB4. Inhibits EGFR catalytic activity by interfering with its dimerization. Inhibits autophosphorylation of EGFR, ERBB2 and ERBB4. Important for normal keratinocyte proliferation and differentiation. Plays a role in modulating the response to steroid hormones in the uterus. Required for normal response to progesterone in the uterus and for fertility. Mediates epithelial estrogen responses in the uterus by regulating ESR1 levels and activation. Important for regulation of endometrium cell proliferation. Important for normal prenatal and perinatal lung development ().
Research Articles on ERRFI1	**1.** Cdc42 inhibition is required for Mig-6 suppression of cell migration induced by EGF
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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