Microfibrillar Associated Protein 4 (MFAP4) ELISA Kit for Bovine

PRODUCT OVERVIEW

Product Name	Microfibrillar Associated Protein 4 (MFAP4), ELISA Kit
Full Product Name	Bovine Microfibrillar Associated Protein 4 ELISA Kit
Product Gene Name	MFAP4 elisa kit
Species Reactivity	Bovine
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	28,648 Da
OMIM	600596
3D Structure	ModBase 3D Structure for P55083
Related Product Information for MFAP4 elisa kit	MBS086240 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Microfibrillar Associated Protein 4 (MFAP4) 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 MFAP4. The ELISA analytical biochemical technique of the MBS086240 kit is based on MFAP4 antibody-MFAP4 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect MFAP4 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, MFAP4. 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 MFAP4 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 MFAP4. It may not necessarily be applicable to this product.

NCBI GI #	2506403
NCBI GeneID	4239
NCBI Accession #	P55083.2
UniProt Primary Accession #	P55083
UniProt Secondary Accession #	Q6P680; A8KAJ1; A8MVM2; B4E317
UniProt Related Accession #	P55083
NCBI Official Full Name	Microfibril-associated glycoprotein 4
NCBI Official Synonym Full Names	microfibrillar-associated protein 4
NCBI Official Symbol	MFAP4
UniProt Protein Name	Microfibril-associated glycoprotein 4
Protein Family	Microfibril-associated glycoprotein
UniProt Gene Name	MFAP4
UniProt Entry Name	MFAP4_HUMAN
NCBI Protein Information	microfibril-associated glycoprotein 4

NCBI Summary for MFAP4	This gene encodes a protein with similarity to a bovine microfibril-associated protein. The protein has binding specificities for both collagen and carbohydrate. It is thought to be an extracellular matrix protein which is involved in cell adhesion or intercellular interactions. The gene is located within the Smith-Magenis syndrome region. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2010]
UniProt Comments for MFAP4	MFAP4: Could be involved in calcium-dependent cell adhesion or intercellular interactions. MFAP4 is deleted in the Smith-Magenis syndrome (SMS). Protein type: Secreted, signal peptide; Cell adhesion; Calcium-binding; Secreted Chromosomal Location of Human Ortholog: 17p11.2 Cellular Component: extracellular matrix; extracellular region; microfibril Molecular Function: protein binding Biological Process: elastic fiber assembly; extracellular matrix organization and biogenesis; UV protection; fibril organization and biogenesis; cell adhesion
Research Articles on MFAP4	**1.** The findings support the biomarker potential of systemic MFAP4, with elevated levels in the serum reflecting pathological processes involving ECM remodeling and degradation.
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