G Protein-Coupled Receptor 78 (GPR78) ELISA Kit for Cat

PRODUCT OVERVIEW

Product Name	G Protein-Coupled Receptor 78 (GPR78), ELISA Kit
Full Product Name	Cat G Protein-Coupled Receptor 78 ELISA Kit
Product Gene Name	GPR78 elisa kit
Species Reactivity	Cat
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	39,332 Da
Chromosome Location	Chromosome: 4; NC_000004.11 (8581964..8591750). Location: 4p16.1
OMIM	606921
3D Structure	ModBase 3D Structure for Q96P69
Related Product Information for GPR78 elisa kit	MBS058748 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the G Protein-Coupled Receptor 78 (GPR78) 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 GPR78. The ELISA analytical biochemical technique of the MBS058748 kit is based on GPR78 antibody-GPR78 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect GPR78 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, GPR78. 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 GPR78 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 GPR78. It may not necessarily be applicable to this product.

NCBI GI #	36951034
NCBI GeneID	27201
NCBI Accession #	NP_543009.2
UniProt Primary Accession #	Q96P69
UniProt Secondary Accession #	Q8NGV3
UniProt Related Accession #	Q96P69
GenBank Nucleotide #	NM_080819.4
NCBI Official Full Name	G-protein coupled receptor 78
NCBI Official Synonym Full Names	G protein-coupled receptor 78
NCBI Official Symbol	GPR78
UniProt Protein Name	G-protein coupled receptor 78
Protein Family	G-protein coupled receptor
UniProt Gene Name	GPR78

UniProt Entry Name	GPR78_HUMAN
NCBI Protein Information	G-protein coupled receptor 78
NCBI Summary for GPR78	The protein encoded by this gene belongs to the G protein-coupled receptor family, which contain 7 transmembrane domains and transduce extracellular signals through heterotrimeric G proteins. This is an orphan receptor, which displays significant level of constitutive activity. Association analysis shows preliminary evidence for the involvement of this gene in susceptibility to bipolar affective disorder and schizophrenia. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Nov 2011]
UniProt Comments for GPR78	GPR78: Orphan receptor. Displays a significant level of constitutive activity. Its effect is mediated by G(s)-alpha protein that stimulate adenylate cyclase, resulting in an elevation of intracellular cAMP. Belongs to the G-protein coupled receptor 1 family. Protein type: Receptor, GPCR; GPCR, family 1; Membrane protein, multi-pass; Membrane protein, integral Chromosomal Location of Human Ortholog: 4p16.1 Cellular Component: integral to membrane; plasma membrane Molecular Function: G-protein coupled receptor activity Biological Process: G-protein signaling, adenylate cyclase activating pathway
Research Articles on GPR78	**1.** Observational study of gene-disease association. (HuGE Navigator)
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