IGSF1 Peptide - Middle Region Blocking Peptide

PRODUCT OVERVIEW

Product Name	IGSF1, Blocking Peptide
Full Product Name	IGSF1 Peptide - middle region
Product Gene Name	IGSF1 blocking peptide
Product Synonym Gene Name	IGCD1; IGDC1; INHBP; KIAA0364; MGC75490; PGSF2; p120
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	IGSF1 peptide (MBS3231501) is used for blocking the activity of IGSF1 antibody (MBS3206537)
Molecular Weight	27kDa
OMIM	300137
Product Categories/Family for IGSF1 blocking peptide	Peptide
Applications Tested/Suitable for IGSF1 blocking peptide	Western Blot (WB)
Related Product Information for IGSF1 blocking peptide	This is a synthetic peptide designed for use in combination with anti-IGSF1 antibody made Target Description: Members of the immunoglobulin (Ig) superfamily, which includes IGSF1, have a variety of functions, but all appear to play a role in cell recognition and the regulation of cell behavior. Members of the immunoglobulin (Ig) superfamily (see MIM 147100), which includes IGSF1, have a variety of functions, but all appear to play a role in cell recognition and the regulation of cell behavior.[supplied by OMIM]. PRIMARYREFSEQ_SPAN PRIMARY_IDENTIFIER PRIMARY_SPAN COMP 1-227 AB058894.2 1-227 228-250 Y10523.1 173-195 251-1813 BC028312.1 223-1785
Other Notes	Small volumes of IGSF1 blocking peptide 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.
Searchable Terms for IGSF1 purchase	MBS3231501 is a blocking peptide targeting IGSF1. Also known as IGSF1 Peptide - middle region.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IGSF1. It may not necessarily be applicable to this product.

NCBI GI #	45505169
NCBI GeneID	3547
NCBI Accession #	NP_991402
UniProt Primary Accession #	Q8N6C5
UniProt Related Accession #	Q8N6C5
GenBank Nucleotide #	NM_205833
NCBI Official Synonym Full Names	immunoglobulin superfamily member 1
NCBI Official Symbol	IGSF1

NCBI Official Synonym Symbols	CHTE; p120; IGCD1; IGDC1; INHBP; PGSF2
UniProt Protein Name	Immunoglobulin superfamily member 1
UniProt Synonym Protein Names	Immunoglobulin-like domain-containing protein 1; Inhibin-binding protein; InhBP; Pituitary gland-specific factor 2; p120
Protein Family	Immunoglobulin superfamily
UniProt Gene Name	IGSF1
UniProt Synonym Gene Names	IGDC1; KIAA0364; PGSF2; IgSF1; InhBP
UniProt Entry Name	IGSF1_HUMAN
NCBI Protein Information	immunoglobulin superfamily member 1
NCBI Summary for IGSF1	This gene encodes a member of the immunoglobulin-like domain-containing superfamily. Proteins in this superfamily contain varying numbers of immunoglobulin-like domains and are thought to participate in the regulation of interactions between cells. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jan 2010]
UniProt Comments for IGSF1	IGSF1: Seems to be a coreceptor in inhibin signaling, but seems not to be a high-affinity inhibin receptor. Antagonizes activin A signaling in the presence or absence of inhibin B. Necessary to mediate a specific antagonistic effect of inhibin B on activin-stimulated transcription. 3 isoforms of the human protein are produced by alternative splicing. Protein type: Immunoglobulin superfamily; Membrane protein, multi-pass; Membrane protein, integral; Motility/polarity/chemotaxis; Receptor, misc. Chromosomal Location of Human Ortholog: Xq25 Cellular Component: membrane; integral to membrane; extracellular region Molecular Function: protein binding; coreceptor activity; receptor activity Biological Process: regulation of transcription, DNA-dependent; signal transduction Disease: Hypothyroidism, Central, And Testicular Enlargement
Research Articles on IGSF1	**1.** A novel mutation (c.2713C>T, p.Q905X) of the IGSF1 gene was identified that causes congenital central hypothyroidism in a Japanese family. The findings further expand the clinical heterogeneity of this entity.
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