Recombinant Human IGSF6

Catalog No: #GP10506

Package Size: #GP10506-1 100ug

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Description

Product Name	Recombinant Human IGSF6
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 28-153 amino acids of human immunoglobulin superfamily, member 6
Target Name	immunoglobulin superfamily, member 6
Other Names	DORA
Accession No.	Swissprot:O95976Gene Accession:BC017844
Uniprot	O95976
GeneID	10261;
Storage	-20~-80°C, pH 7.6 PBS

Background

IGSF6 (DORA), a novel member of the immunoglobulin superfamily (IGSF) from human and rat expressed in dendritic and myeloid cells. Using a probe from the open reading frame of the rat cDNA, we isolated a cosmid which contains the entire mouse gene. By comparative analysis and reverse transcriptase polymerase chain reaction, we defined the intron/exon structure and the mRNA of the mouse gene and, with respect to human BAC clones, the human gene. The genes span 10 kb (mouse) and 12 kb (human), with six exons arranged in a manner similar to other members of the IGSF. All intron/exon boundaries follow the GT-AG rule. Expression of the mouse Igsf6 gene is restricted to cells of the immune system, particularly macrophages. Northern blot revealed a single mRNA of 2.5 kb, in contrast to the human gene which is expressed as two mRNAs of 1 and 2.5 kb. The human and mouse genes were localized to a locus associated with inflammatory bowel disease. Analysis of the flanking regions of the Igsf6 gene revealed the presence of an unrelated gene, transcribed from the opposite strand of the DNA and oriented such that the Igsf6 gene is encoded entirely within an intron. An identical organization is seen in human.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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