OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TP727076

CD22 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Siglec-2 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Asp20-Arg687
Tag:	C-6His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS,1mM EDTA,pH7.4.
Note:	Recombinant Human B-cell Receptor CD22 is produced by our Mammalian expression system and the target gene encoding Asp20-Arg687 is expressed with a 6His tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	933
UniProt ID:	P20273
Summary:	Siglecs (sialic acid binding Ig-like lectins) are I-type (Ig-type) lectins belonging to the Ig superfamily. They are characterized by an N-terminal Ig-like V-type domain which mediates sialic acid binding, followed by varying numbers of Ig-like C2-type domains. Human Siglec-2, also known as B-cell antigen CD22 or B-lymphocyte cell adhesion molecule (BL-CAM), is a B-cell restricted glycoprotein that is expressed in the cytoplasm of progenitor B and pre-B cells and on the surface of mature B cells. Two distinct human Siglec-2/CD22 cDNAs that arise from differential RNA processing of the same gene have been isolated. Siglec-2/CD22 is an adhesion molecule that preferentially binds alpha 2,6- linked sialic acid on the same (cis) or adjacent (trans) cells. Interaction of CD22 with trans ligands on opposing cells was found to be favored over the binding of ligands in cis.

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