Recombinant Mouse Vtcn1 Protein, Fc-tagged, Alexa Fluor 555 conjugated

Cat. No. Vtcn1-825MAF555 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alexa Fluor 555 conjugated recombinant mature form of mouse B7H4 (Q7TSP5) (phe 29-Ser 256) was fused with the Fc region of human IgG1 at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	469
Form	Lyophilized
Molecular Mass	The secreted recombinant mouse B7H4/Fc is a disulfide-linked homodimer. The reduced monomer comprises 469 amino acids and has a calculated molecular mass of 52.2 kDa. The apparent molecular mass of rmB7H4/Fc monomer is approximately 70-75 kDa in SDS-PAGE under reducing conditions due to glycosylation.
N-terminal Sequence Analysis	phe 29
Endotoxin	< 1.0 EU/ μg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Characteristic	Disulfide-linked homodimer

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	Labeled with Alexa Fluor 555 via amines With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters.
Stability	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 to-70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Lyophilized from sterile PBS, pH 7.4, 5%-8% trehalose and mannitol.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
Conjugation	Alexa Fluor 555

GENE INFORMATION

Gene Name	Vtcn1 V-set domain containing T cell activation inhibitor 1 [Mus musculus]
Official Symbol	Vtcn1
Synonyms	VTCN1; V-set domain containing T cell activation inhibitor 1; V-set domain containing T-cell activation inhibitor 1; t cell costimulatory molecule B7x; immune costimulatory protein B7-H4; B7x; B7h4; B7s1; BC032925; MGC41287;
Gene ID	242122
mRNA Refseq	NM_178594

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Protein Refseq	NP_848709

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