

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

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

## SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	469
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	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.
<b>N-terminal Sequence Analysis</b>	phe 29
<b>Endotoxin</b>	< 1.0 EU/ µg of the protein as determined by the LAL method.
<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Characteristic</b>	Disulfide-linked homodimer

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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

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