

Recombinant Mouse Vtcn1 Protein, Fc-tagged, FITC conjugated

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

SPECIFICATION

| | |
|-------------------------------------|--|
| Product Overview | FITC 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 |

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Labeled with FITC via amines
 Excitation source: 488 nm spectral line, argon-ion laser
 Excitation Wavelength: 488 nm
 Emission Wavelength: 535 nm

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 FITC

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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