

# Recombinant Human VTCN1 Protein, His-tagged, Alexa Fluor 555 conjugated

**Cat. No.** VTCN1-427HAF555    **Lot. No.** (See product label)

## SPECIFICATION

|                                     |  |
|-------------------------------------|--|
| <b>Product Overview</b>             | Alexa Fluor 555 conjugated recombinant human VTCN1 (Q7Z7D3) (Phe29-Ala258), fused with a C-terminal polyhistidine tag, was produced in Human Cells.  |
| <b>Species</b>                      | Human  |
| <b>Source</b>                       | HEK293   |
| <b>ProteinLength</b>                | 241  |
| <b>Form</b>                         | Lyophilized  |
| <b>Molecular Mass</b>               | The recombinant human VTCN1 comprises 241 amino acids and has a predicted molecular mass of 26.8 kDa. The apparent molecular mass of the protein is approximately 43-48 kDa in SDS-PAGE under reducing conditions. |
| <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<br>Labeled with Alexa Fluor 555 via amines  |

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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.

|                       |   |
|-----------------------|---|
| <b>Stability</b>      | Samples are stable for up to 12 months from date of receipt at -70 centigrade.  |
| <b>Storage</b>        | 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.       |
| <b>Storage Buffer</b> | Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose and mannitol are added as protectants before lyophilization.   |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents. |
| <b>Conjugation</b>    | Alexa Fluor 555   |

## GENE INFORMATION

|                        |  |
|------------------------|--|
| <b>Gene Name</b>       | VTCN1 V-set domain containing T cell activation inhibitor 1 [ Homo sapiens ] |
| <b>Official Symbol</b> | VTCN1  |
| <b>Gene ID</b>         | 79679  |
| <b>mRNA Refseq</b>     | NM_001253849   |
| <b>Protein Refseq</b>  | NP_001240778   |
| <b>MIM</b>             | 608162   |

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UniProt ID

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