

## Active Recombinant Human TACSTD2 protein, hFc-tagged, Low Endotoxin

**Cat. No.** TACSTD2-416H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human TACSTD2 protein(P09758)(27-274 aa), fused with C-terminal hFc tag, was expressed in HEK293.                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                    |
| <b>Source</b>           | HEK293                                                                                                                                                                                   |
| <b>ProteinLength</b>    | 27-274 aa                                                                                                                                                                                |
| <b>Form</b>             | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.                                                           |
| <b>Bio-activity</b>     | Immobilized Human TROP-2, hFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Anti-TROP-2 Antibody, hFc Tag with the EC50 of 6.7ng/ml determined by ELISA. |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 54.6 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Bis-Tris PAGE result.                                                       |
| <b>Endotoxin</b>        | Less than 0.01 EU per µg by the LAL method.                                                                                                                                              |
| <b>Purity</b>           | > 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC                                                                                                                        |
| <b>Storage</b>          | Store at -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3                                                                                                        |

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months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

**Reconstitution** Dissolve the lyophilized protein in distilled water.

## GENE INFORMATION

**Gene Name** TACSTD2 tumor-associated calcium signal transducer 2 [ Homo sapiens ]

**Official Symbol** TACSTD2

**Synonyms** TACSTD2; tumor-associated calcium signal transducer 2; M1S1; EGP 1; GA733 1; TROP2; epithelial glycoprotein-1; cell surface glycoprotein TROP2; cell surface glycoprotein Trop-2; pancreatic carcinoma marker protein GA7331; pancreatic carcinoma marker protein GA733-1; gastrointestinal tumor-associated antigen GA7331; membrane component chromosome 1 surface marker 1; membrane component, chromosome 1, surface marker 1; 40kD glycoprotein, identified by monoclonal GA733; EGP1; GP50; EGP-1; GA7331; GA733-1;

**Gene ID** 4070

**mRNA Refseq** NM\_002353

**Protein Refseq** NP\_002344

**MIM** 137290

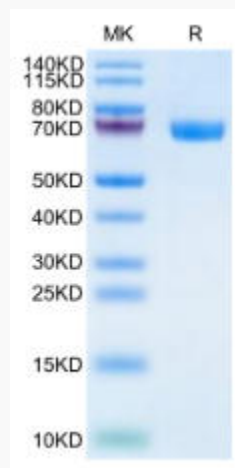
**UniProt ID** P09758

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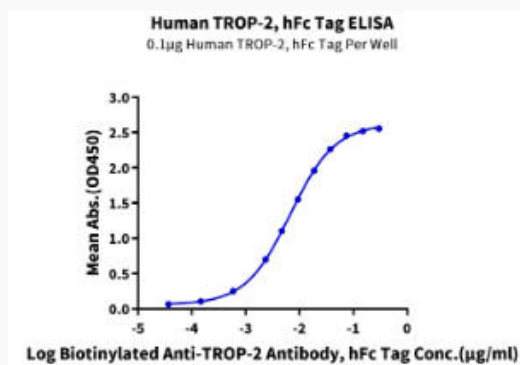
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## Bis-Tris PAGE



## ELISA Data



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