

# Recombinant Human TACSTD2

**Cat. No.** TACSTD2-30080TH    **Lot. No.** (See product label)

## SPECIFICATION

|                           |                                                                                                                                                                                                                                |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>   | Recombinant fragment of Human TACD2 with N terminal proprietary tag, 37.73kDa.                                                                                                                                                 |
| <b>Species</b>            | Human                                                                                                                                                                                                                          |
| <b>Source</b>             | Wheat Germ                                                                                                                                                                                                                     |
| <b>ProteinLength</b>      | 110 amino acids                                                                                                                                                                                                                |
| <b>Description</b>        | This intronless gene encodes a carcinoma-associated antigen. This antigen is a cell surface receptor that transduces calcium signals. Mutations of this gene have been associated with gelatinous drop-like corneal dystrophy. |
| <b>Molecular Weight</b>   | 37.730kDa inclusive of tags                                                                                                                                                                                                    |
| <b>Tissue specificity</b> | Placenta, pancreatic carcinoma cell lines.                                                                                                                                                                                     |
| <b>Form</b>               | Liquid                                                                                                                                                                                                                         |
| <b>Purity</b>             | Proprietary Purification                                                                                                                                                                                                       |
| <b>Storage buffer</b>     | pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl                                                                                                                                                                          |
| <b>Storage</b>            | Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.                                                                                                                                      |

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|                                 |                                                                                                                          |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Sequences of amino acids</b> | QDNCTCPTNKMTVCSPDGPGGRCQCRALGSGMAVDCSTLT SKCLLLKARMSAPK<br>NARTLVRPSEHALVDNDGLYDPDCDP EGRFKARQCNQTSVCWCVNSVGVRRTDK<br>GD |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------|

|                              |                                                                     |
|------------------------------|---------------------------------------------------------------------|
| <b>Sequence Similarities</b> | Belongs to the EPCAM family.Contains 1 thyroglobulin type-1 domain. |
|------------------------------|---------------------------------------------------------------------|

## GENE INFORMATION

|                  |                                                                       |
|------------------|-----------------------------------------------------------------------|
| <b>Gene Name</b> | TACSTD2 tumor-associated calcium signal transducer 2 [ Homo sapiens ] |
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|                        |         |
|------------------------|---------|
| <b>Official Symbol</b> | TACSTD2 |
|------------------------|---------|

|                 |                                                                                     |
|-----------------|-------------------------------------------------------------------------------------|
| <b>Synonyms</b> | TACSTD2; tumor-associated calcium signal transducer 2; M1S1; EGP 1; GA733 1; TROP2; |
|-----------------|-------------------------------------------------------------------------------------|

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| <b>Gene ID</b> | 4070 |
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| <b>mRNA Refseq</b> | NM_002353 |
|--------------------|-----------|

|                       |           |
|-----------------------|-----------|
| <b>Protein Refseq</b> | NP_002344 |
|-----------------------|-----------|

|            |        |
|------------|--------|
| <b>MIM</b> | 137290 |
|------------|--------|

|                   |        |
|-------------------|--------|
| <b>Uniprot ID</b> | P09758 |
|-------------------|--------|

|                            |      |
|----------------------------|------|
| <b>Chromosome Location</b> | 1p32 |
|----------------------------|------|

|                 |                    |
|-----------------|--------------------|
| <b>Function</b> | receptor activity; |
|-----------------|--------------------|

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