

Recombinant Human Tumor-associated Calcium Signal Transducer 2

Cat. No. TACSTD2-1694H **Lot. No.** (See product label)

SPECIFICATION

| | |
|------------------------------|---|
| Species | Human |
| Source | Mammalian Cells |
| Description | <p>Trop-2 is a cell surface glycoprotein that is highly expressed in a wide variety of epithelial cancers. There is little or no expression of Trop-2 in adult somatic tissue. Trop-2 is a novel calcium signal transducer involved in the regulation of cell-cell adhesion. It is an oncogene that has potential as a therapeutic target. It is a possible candidate gene for diagnosis and molecular target therapy of colorectal cancer.</p> |
| Molecular Weight | <p>The predicted molecular weight of Recombinant Human TROP-2 is Mr 49.2 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 70-80 kDa.</p> |
| State Of Matter | Lyophilized. |
| Purity | >95% by SDS Page and analyzed by silver stain. |
| Endotoxin | <1.0 EU/g as determined by the LAL method. |
| Storage And Stability | <p>This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid</p> |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

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|----------------------------|--|
| Gene Name | TACSTD2 tumor-associated calcium signal transducer 2 [Homo sapiens] |
| Synonyms | TACSTD2; tumor-associated calcium signal transducer 2; M1S1; EGP-1; GA733; TROP2; GA733-1; epithelial glycoprotein-1; membrane component, chromosome 1, surface marker 1 (40kD glycoprotein, identified by monoclonal antibody GA733); Cell surface glycoprotein Trop-2; Pancreatic carcinoma marker protein GA733-1; OTTHUMP00000011755 |
| Gene ID | 4070 |
| mRNA Refseq | NM_002353 |
| Protein Refseq | NP_002344 |
| MIM | 137290 |
| UniProt ID | P09758 |
| Chromosome Location | 1p32 |
| Function | receptor activity |

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