

Recombinant Human Tumor-associated Calcium Signal Transducer 2

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

SPECIFICATION

Product Overview

Species	Human
Source	Mammalian Cells
Description	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.
Molecular Weight	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.
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	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

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8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. See Product Insert for exact lot specific storage instructions.

GENE INFORMATION

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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