

**RPCB1568**

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## Product Information

<b>Product SKU:</b>	RPCB1568	<b>Gene ID:</b>	494343	<b>Size:</b>	10µg
<b>Tag:</b>	C-His	<b>Reactivity:</b>	Rat		

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## Additional Information

<b>Expression Host:</b>	HEK293 cells	<b>Swissprot:</b>	Q6P9Z6
<b>Purity:</b>	> 95% by SDS-PAGE.		

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## Protein Information

**Background:** TROP-2, also referred to as tumor-associated calcium signal transducer 2 (TACSTD2), GA733-1 or M1S1, is a cell surface glycoprotein highly expressed in a wide variety of epithelial cancers. In contrast, there is little or no expression of Trop-2 in adult somatic tissue. Because it is a cell surface protein that is selectively expressed in tumor cells, Trop-2 is a potential therapeutic target. The cytoplasmic tail of Trop-2 possesses potential serine and tyrosine phosphorylation sites and a phosphatidyl-inositol binding consensus sequence. Trop-2 transduces an intracellular calcium signal, which are consistent with the hypothesis that it acts as a cell surface receptor and support a search for a physiological ligand. TROP2 encoding by an intronless gene was originally defined by the monoclonal antibody GA733, and is a member of a family of at least two type I membrane proteins. The other known member is GA733-2, also called EpCAM and TROP1. It has been suggested by studies that the GA733-1 gene was formed by the retroposition of the GA733-2 gene via an mRNA intermediate.

**Protein Description:** High quality, high purity and low endotoxin recombinant Recombinant Rat TROP-2/TACSTD2 Protein, tested reactivity in HEK293 cells and has been validated in SDS-PAGE. 100% guaranteed.

**Endotoxin:** <0.1EU/µg

**Formulation:** Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.

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**Storage:**

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.