

(Mouse) Tdgf1 Blocking Peptide (N-term)
Synthetic peptide
Catalog # BP21040a

Specification

(Mouse) Tdgf1 Blocking Peptide (N-term) - Product Information

Primary Accession [P51865](#)

(Mouse) Tdgf1 Blocking Peptide (N-term) - Additional Information

Gene ID 21667

Other Names

Teratocarcinoma-derived growth factor, Cripto growth factor, Epidermal growth factor-like Cripto protein, Tdgf1, Cripto

Target/Specificity

The synthetic peptide sequence is selected from aa 37-50 of HUMAN Tdgf1

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

(Mouse) Tdgf1 Blocking Peptide (N-term) - Protein Information

Name Cripto

Synonyms Tdgf1

Function

GPI-anchored cell membrane protein involved in Nodal signaling. Cell-associated CRIPTO acts as a Nodal coreceptor in cis. Shedding of CRIPTO by Tmem8a modulates Nodal signaling by allowing soluble CRIPTO to act as a Nodal coreceptor on other cells. Could play a role in the determination of the epiblastic cells that subsequently give rise to the mesoderm.

Cellular Location

Cell membrane; Lipid-anchor, GPI-anchor. Secreted {ECO:0000250|UniProtKB:P13385}.
Note=Released from the cell membrane by GPI cleavage. {ECO:0000250|UniProtKB:P13385}

Tissue Location

Expressed at low level in specific organs of the adult animal such as spleen, heart, lung and brain. During gastrulation, expressed in the forming mesoderm. In later stages of the developing heart,

expression is restricted to the truncus arteriosus

(Mouse) Tdgf1 Blocking Peptide (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

(Mouse) Tdgf1 Blocking Peptide (N-term) - Images

(Mouse) Tdgf1 Blocking Peptide (N-term) - Background

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(Mouse) Tdgf1 Blocking Peptide (N-term) - References

Dono R.,et al.Development 118:1157-1168(1993).
Liguori G.,et al.Mamm. Genome 7:344-348(1996).
Minchiotti G.,et al.Mech. Dev. 90:133-142(2000).
Calvanese L.,et al.J. Med. Chem. 49:7054-7062(2006).