

## TDGF1P3 Protein, Human (P. pastoris, His)

<b>Cat. No.:</b>	HY-P700489
<b>Synonyms:</b>	Cripto-3 growth factor (Epidermal growth factor-like cripto protein CR3); Teratocarcinoma-derived growth factor 1 pseudogene 3; CRIPTO3; TDGF2; TDGF3
<b>Species:</b>	Human
<b>Source:</b>	P. pastoris
<b>Accession:</b>	P51864 (L31-Y188)
<b>Gene ID:</b>	6998
<b>Molecular Weight:</b>	18.6 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>L G H Q E F A R P S      R G D L A F R D D S      I W P Q E E P A I R      P R S S Q R V L P M</p> <p>G I Q H S K E L N R      T C C L N G G T C M      L E S F C A C P P S      F Y G R N C E H D V</p> <p>R K E N C G S V P H      D T W L P K K C S L      C K C W H G Q L R C      F P Q A F L P G C D</p> <p>G L V M D E H L V A      S R T P E L P P S A      R T T T F M L A G I      C L S I Q S Y Y</p>
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	<p>TDGF1P3 Protein is a protein that shows potential involvement in the determination of epiblastic cells, which in turn contribute to mesodermal development. Its influence is exerted through the activation of the Nodal-dependent signaling pathway, indicating its role in the complex processes that regulate cellular fate and tissue differentiation. By activating this signaling pathway, TDGF1P3 Protein likely plays a critical role in orchestrating the development and differentiation of cells during embryogenesis and embryonic tissue formation. Further investigation is required to fully understand the precise mechanisms by which TDGF1P3 Protein functions in these processes and its specific interactions within the Nodal-dependent signaling pathway.</p>
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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