

## Product Datasheet

### Recombinant TGF- $\alpha$ , Human (orb1494666)

<b>Description</b>	Protransforming Growth Factor-alpha (TGF-alpha), also known as sarcoma growth factor, TGF-type I and ETGF, is a member of the EGF family of cytokines. It is expressed in monocytes, brain cells, keratinocytes and various tumor cells. ProTGF-alpha signals through EGFR and acts synergistically with TGF-beta to promote the proliferation of a wide range of epidermal and epithelial cells. It may function as either a membrane-bound ligand or a soluble ligand. Membrane-bound proTGF-alpha plays a role in cell-cell adhesion and juxtacrine stimulation of adjacent cells. The soluble form of the cytokine is released from the membrane-bound form by proteolytic cleavage and acts as a mitogen for cell proliferation.
<b>Endotoxins</b>	< 0.2 EU/ $\mu$ g, determined by LAL method.
<b>Preservatives</b>	Lyophilized after extensive dialysis against PBS.
<b>Form/Appearance</b>	Lyophilized after extensive dialysis against PBS.
<b>Storage</b>	Lyophilized recombinant Human TGF-alpha remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, Human TGF-alpha Receptor should be stable up to 1 week at 4°C or up to 2 months at -20°C.
<b>Note</b>	For research use only
<b>Application notes</b>	Reconstituted in ddH <sub>2</sub> O or PBS at 100 $\mu$ g/ml.
<b>Protein Sequence</b>	VVSHFNDPCDSHTQFCFHGTCRFLVQEDKPACVCHSGYVGARCEHADLLA
<b>Purity</b>	> 95% as analyzed by SDS-PAGE and HPLC.
<b>Source</b>	CHO
<b>MW</b>	8-10 kDa, observed by reducing SDS-PAGE.
<b>Expiration Date</b>	6 months from date of receipt.

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