

## Datasheet: PHP037

<b>Description:</b>	RECOMBINANT HUMAN TGF ALPHA
<b>Name:</b>	TGF ALPHA
<b>Other names:</b>	TRANSFORMING GROWTH FACTOR ALPHA
<b>Format:</b>	Rec. Protein
<b>Product Type:</b>	Recombinant Protein
<b>Quantity:</b>	0.1 mg

## Product Details

### Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit [www.bio-rad-antibodies.com/protocols](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			0.2 - 0.4ng/well
Western Blotting	▪			1.5 - 3.0ng/lane
Functional Assays	▪			0.5 - 25ng/ml

Where this protein has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

<b>Target Species</b>	Human
<b>Species Cross Reactivity</b>	Reacts with: Mouse <b>N.B.</b> Antibody reactivity and working conditions may vary between species.
<b>Product Form</b>	Recombinant protein - lyophilised
<b>Reconstitution</b>	Reconstitute with 0.1ml distilled water Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution. For extended storage the addition of 0.1% bovine serum albumin (BSA) is recommended.
<b>Preparation</b>	Recombinant protein expressed in <i>E. coli</i> .
<b>Preservative Stabilisers</b>	None present
<b>Endotoxin Level</b>	<0.1ng/ug
<b>Approx. Protein Concentrations</b>	1.0 mg/ml after reconstitution
<b>External Database Links</b>	<b>UniProt:</b>

[P01135](#)   [Related reagents](#)

**Entrez Gene:**

[7039](#)   TGFA   [Related reagents](#)

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<b>Product Information</b>	<b>Recombinant human TGF<math>\alpha</math></b> is a 5.5kDa peptide corresponding to full-length mature human transforming growth factor alpha. TGF $\alpha$ is an EGF-related growth factor that stimulates the proliferation of epidermal and epithelial cells.
<b>Protein Molecular Weight</b>	5.5kD (50 Amino Acid Sequence)
<b>Activity</b>	>1.4 x 10 <sup>6</sup> Units/mg
<b>Purity</b>	>98% by SDS PAGE and HPLC
<b>ELISA</b>	Recombinant human TGF $\alpha$ may be used as a standard for ELISA applications with <a href="#">purified human TGF<math>\alpha</math> antibody</a> (AHP284G).
<b>Western Blotting</b>	Recombinant human TGF $\alpha$ may be used as the positive control for Western Blotting applications with <a href="#">purified human TGF<math>\alpha</math> antibody</a> (AHP284G).
<b>Storage</b>	Prior to reconstitution store at +4°C. Following reconstitution store at -20°C.  This product should be stored undiluted.  Storage in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use.
<b>Shelf Life</b>	3 months from date of reconstitution.
<b>Health And Safety Information</b>	Material Safety Datasheet documentation #10527 available at: 10527: <a href="https://www.bio-rad-antibodies.com/uploads/MSDS/10527.pdf">https://www.bio-rad-antibodies.com/uploads/MSDS/10527.pdf</a>
<b>Regulatory</b>	For research purposes only

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