

Datasheet: PHP037

Description:	RECOMBINANT HUMAN TGF ALPHA
Name:	TGF ALPHA
Other names:	TRANSFORMING GROWTH FACTOR ALPHA
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	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.

	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.

Target Species	Human
Species Cross Reactivity	Reacts with: Mouse N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Recombinant protein - lyophilised
Reconstitution	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.
Preparation	Recombinant protein expressed in <i>E. coli</i> .
Preservative Stabilisers	None present
Carrier Free	Yes
Endotoxin Level	< 0.1 ng/ug
Approx. Protein Concentrations	1.0 mg/ml after reconstitution

**External Database
Links**

UniProt:

[P01135](#) [Related reagents](#)

Entrez Gene:

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

Product Information	Recombinant human TGFα is a 5.5kDa peptide corresponding to full-length mature human transforming growth factor alpha. TGF α is an EGF-related growth factor that stimulates the proliferation of epidermal and epithelial cells.
Protein Molecular Weight	5.5kD (50 Amino Acid Sequence)
Activity	>1.4 x 10 ⁶ Units/mg
Purity	>98% by SDS PAGE and HPLC
ELISA	Recombinant human TGF α may be used as a standard for ELISA applications with purified human TGFα antibody (AHP284G).
Western Blotting	Recombinant human TGF α may be used as the positive control for Western Blotting applications with purified human TGFα antibody (AHP284G).
Storage	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.
Guarantee	3 months from date of reconstitution
Health And Safety Information	Material Safety Datasheet documentation #10527 available at: 10527: https://www.bio-rad-antibodies.com/uploads/MSDS/10527.pdf
Regulatory	For research purposes only

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'M369487:200529'

Printed on 11 Aug 2020