

Datasheet: PHP178

Description:	RECOMBINANT HUMAN IGFBP-7
Name:	IGFBP-7
Other names:	INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN-7
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	25 µg

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			▪	

Where this product 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 product for use in their own system using appropriate negative/positive controls.

Target Species	Human
Product Form	Purified recombinant protein - lyophilized
Reconstitution	Reconstitute with 0.25 ml 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% BSA is recommended.
Preparation	Purified recombinant IGFBP-7 expressed in <i>E.coli</i> .
Buffer Solution	10mM Sodium Phosphate, pH6.8
Preservative Stabilisers	None present
Carrier Free	Yes
Endotoxin Level	<1EU/ug
Approx. Protein Concentrations	0.1 mg/ml after reconstitution

**External Database
Links**

UniProt:

[Q16270](#) [Related reagents](#)

Entrez Gene:

[3490](#) IGFBP7 [Related reagents](#)

Synonyms

MAC25, PSF

Product Information

IGFBP-7 (insulin-like growth factor binding protein-7) is a secreted protein which belongs to a family of IGF-BPs which regulate the biological activities and distribution of the insulin-like growth factors (IGFs), through binding to IGF-I and IGF-II. IGFBP-7 is expressed in many tumour types and acts as a suppressor of breast and prostate cancer cell lines. IGFBP-7 inhibits IGF-induced differentiation of skeletal muscle (myogenesis) and has implications in bone formation.

**Protein Molecular
Weight**

26.4 kDa (257 amino acid residues).

Purity

>98% by SDS PAGE and HPLC analysis.

ELISA

This recombinant protein may be used as a standard in an ELISA with [AHP1282](#).

Western Blotting

This recombinant protein may be as a positive control in western blotting for [AHP1282](#) and may be run under either reducing or non-reducing conditions.

Storage

Prior to reconstitution store at +4°C.
After reconstitution store at -20°C.
Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. 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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