

Datasheet: PHP178

BATCH NUMBER 160531

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 -20°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	Guaranteed for 3 months from the date of reconstitution or until the date of expiry, whichever comes first. Please see label for expiry date.
Health And Safety Information	Material Safety Datasheet documentation #10527 available at: https://www.bio-rad-antibodies.com/SDS/PHP17810527
Regulatory	For research purposes only

North & South America Tel: +1 800 265 7376
Fax: +1 919 878 3751
Email: antibody_sales_us@bio-rad.com

Worldwide Tel: +44 (0)1865 852 700
Fax: +44 (0)1865 852 739
Email: antibody_sales_uk@bio-rad.com

Europe Tel: +49 (0) 89 8090 95 21
Fax: +49 (0) 89 8090 95 50
Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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