

Datasheet: PMP89

Description:	RECOMBINANT MOUSE EGF
Name:	EGF
Format:	Rec. Protein
Product Type:	Recombinant Protein
Quantity:	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 <u>www.bio-rad-antibodies.com/protocols</u> .						
		Yes	No	Not Determined	Suggested Dilution		
	Western Blotting	-					
	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	Mouse						
Product Form	Purified recombinant protein – lyophilized						
Reconstitution	Reconstitute to 1.0 mg/ml by adding 1.0 ml H_2O . 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. Do not vortex.						
Preparation	Purified recombinant EGF expressed in <i>E.coli</i>						
Source	E.coli						
Preservative Stabilisers	None present						
Approx. Protein Concentrations	1.0 mg/ml after reconstitution						
External Database Links	UniProt: P01132 Related	reagents					

Entrez Gene:

13645 Egf Related reagents

Product I	nformation	of cells, which ac	h Factor (EGF) is a type I transmembrane protein expr ts as a potent stimulator and regulator of the proliferati Is, and is a key factor in cell survival.	-			
		-	siotropic hormone involved in the regulation of renal ma activation of the magnesium permeable channel TRPM	•			
		The effects of EG EGF to the extra	GF are initiated through tyrosine kinase activity, followin cellular domain of the EGF receptor (EGFR), which res eral signal transduction pathways, including the JAK/ST	sults in the			
Protein M Weight	lolecular	6 kDa					
Activity			ermined by a cell proliferation assay using BALB/c 3T3 ding to a specific activity of ≥ 1 x 10 ⁷ units/mg	cells is ≤ 0.1			
Purity		>98% by SDS P/	AGE and HPLC analysis				
Referenc	es	•	2021) Cell-to-cell transmission of HSV1 in human kerat najor entry receptor, nectin1. <u>PLoS Pathog. 17 (9): e10(</u>	-			
Further R	Reading	1. Muallem, S. & Invest. 117 (8): 2	Moe, O.W. (2007) When EGF is offside, magnesium is 086-9.	wasted. <u>J Clin</u>			
Storage		Prior to reconstitution store at -20°C. Following reconstitution store at -20°C. Storage in frost-free freezers is not recommended.					
		•	uld be stored undiluted. Avoid repeated freezing and th tein. Should this product contain a precipitate we recom on before use.	•			
Guarante	e	12 months from o	late of despatch				
Health And Safety Information		Material Safety Datasheet documentation #10268 available at: https://www.bio-rad-antibodies.com/SDS/PMP89 10268					
Regulatory		For research pur	poses only				
orth & South Tel: +1 800 265 7376 nerica Fax: +1 919 878 3751 Email: antibody_sales			vide Tel: +44 (0)1865 852 700 Europe Tel: +49 (0) 89 Fax: +44 (0)1865 852 739 Fax: +49 (0) 89				

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