

[Go to Product page](#)

Datasheet for ABIN1691889

GRP Protein (AA 2-172) (His tag)

Overview

Quantity:	50 µg
Target:	GRP
Protein Characteristics:	AA 2-172
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This GRP protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Galectin-Related Protein/LGALS (C-6His)
Sequence:	AGSVADSDAV VKLDDGHLNN SLSSPVQADV YFPRLIVPFC GHIKGGMRPG KKVLMGIVD LNPESFAISL TCGDSEDPPA DVAIELKAVF TDRQLLRNSC ISGERGEEQS AIPYFPFIPD QPFRVEILCE HPRFRVFVDG HQLFDFYHRI QTLSAIDTIK INGDLQITKL GLEHHHHHHH
Characteristics:	Recombinant Human Galectin-Related Protein/LGALS is produced with our E. coli expression system. The target protein is expressed with sequence (Ala2-Ser172) of Human LGALS fused with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	GRP
Alternative Name:	LGALSL (GRP Products)
Sub Type:	Fusionprotein
Background:	<p>Galectin-Related Protein (LGALSL) is a 172 amino acid protein that contains one Galectin domain. LGALSL does not appear to bind carbohydrates or lactose as the critical residues required for binding are not conserved. LGALSL may play a significant role in stimulating smooth muscle growth in developing alveolar wall vessels and the development of pulmonary capillaries.</p> <p>Alternative Names: Galectin-Related Protein, Lectin Galactoside-Binding-Like Protein, LGALSL, GRP, HSPC159</p>
Molecular Weight:	20 kDa
UniProt:	Q3ZCW2

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM Tris, 100 mM NaCl, pH 8.0.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	<p>Store at < -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>
Expiry Date:	6 months