

Product Datasheet

Recombinant Human Galectin-3 His Protein NBP1-30277

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-30277

Recombinant Human Galectin-3 His Protein

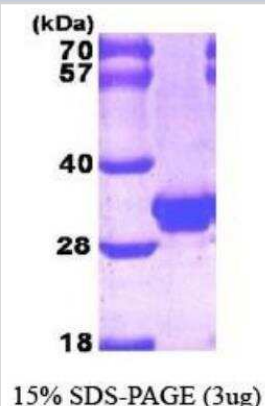
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Preservative	No Preservative
Purity	>95%, by SDS-PAGE
Buffer	20 mM Tris-HCl buffer (pH 8.0), 10% glycerol, 1 mM DTT, 0.1 M NaCl
Target Molecular Weight	28.3 kDa

Product Description	
Description	<p>A bioactive recombinant protein with a N-Terminal His-tag and corresponding to the amino acids 1-250 of Human Galectin-3</p> <p>Source: <i>E.coli</i></p> <p>Amino Acid Sequence: MGSSHHHHHH SGLVPRGSH MADNFSLHDA LSGSGNPNPQ GWPGAWGNQP AGAGGYPGAS YPGAYPGQAP PGAYPGQAPP GAYPGAPGAY PGAPAPGVYP GPPSGPGAYP SSGQPSATGA YPATGPYGAP AGPLIVPYNL PLPGGVVPRM LITILGTVKP NANRIALDFQ RGNDFVAFHN PRFNENRRV IVCNTKLDNN WGREERQSVF PFESGKPFKI QVLVEPDHFK VAVNDAHLLQ YNHRVKKLNE ISKLGISGDI DLTSASYTMI</p>
Gene ID	3958
Gene Symbol	LGALS3
Species	Human
Details of Functionality	The ED50 for this effect is less or equal to 15 ug/ml. Measured by its ability to agglutinate human red blood cells.

Product Application Details	
Applications	SDS-Page, Bioactivity
Recommended Dilutions	SDS-Page, Bioactivity

Images

SDS-Page: Recombinant Human Galectin-3 Protein [NBP1-30277] - Galectin-3, 28.3 kDa (270aa), confirmed by MALDI-TOF with a purity of 95% by SDS - PAGE



Procedures

SDS-Page protocol for Galectin-3 Recombinant Protein (NBP1-30277)

SDS-PAGE (NBP1-30277):

1. Mix equal volumes of human blood and Alsever's solution (pH 7.0).
(Alsever's solution: NaCl 0.42 g, Sodium citric acid 0.8g, Citric acid 0.055 g, D-glucose 2.05g in DW100 ml)

2. Centrifuge at 15000rpm for 10 minutes and wash four times with PBS.

3. Dilute packed cells in a 0.5 mg/ml trypsin-EDTA solution to give 4% red cell suspension.

4. Incubate for 1h at 37C and wash four times with PBS.

5. Dilute packed cells in PBS to give 4% red cell suspension.

6. Load 50ul of 0.5%BSA-in-0.15M-NaCl solution and 25ul of 4%-Red-Cell-in-PBS in u shaped wells.

7. Add 25ul of serial diluted galectin protein in PBS to each well plate. (Round bottom 96 well plate)

8. Incubate for 30min at room temperature to observe visible agglutination.





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Peptides and proteins are guaranteed for 3 months from date of receipt.

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