Product Datasheet

Recombinant Human Galectin-8 His Protein
NBP1-48335-0.05mg

Unit Size: 0.05 mg

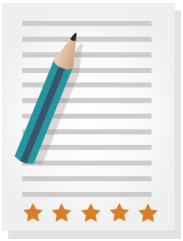
Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

www.novusbio.com technical@novusbio.com

Publications: 1

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP1-48335

Updated 10/12/2023 v.20.1



NBP1-48335-0.05mg

Recombinant Human Galectin-8 His Protein

Product Information

Unit Size	0.05 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	>90%, by SDS-PAGE
Buffer	20 mM Tris-HCl buffer (pH8.0), 0.1 M Nacl, 1 mM DTT, 10% glycerol
Target Molecular Weight	37.9 kDa

Product Description

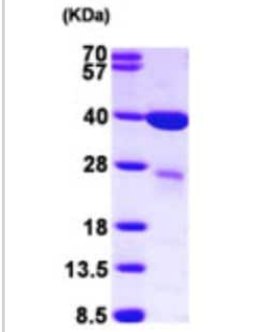
Description	A bioactive recombinant protein with a N-Terminal His-tag and corresponding to the amino acids 1-317 of Human Galectin-8 **Source:** *E.coli* **Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MMLSLNNLQN IIYNPVIPFV GTIPDQLDPG TLIVIRGHVP SDADRFQVDL QNGSSMKPRA DVAFHFNPRF KRAGCIVCNT LINEKWGREE ITYDTPFKRE KSFEIVIMVL KDKFQVAVNG KHTLLYGHRI GPEKIDTLGI YGKVNIHSIG FSFSSDLQST QASSLELTEI SRENVPKSGT PQLRLPFAAR LNTPMGPGRT VVVKGEVNAN AKSFNVDLLA GKSKDIALHL NPRLNIKAFV RNSFLQESWG EEERNITSFP FSPGMYFEMI IYCDVREFKV AVNGVHSLEY KHRFKELSSI DTLEINGDIH LLEVRSW
Gene ID	3964
Gene Symbol	LGALS8
Species	Human
Details of Functionality	The ED50 for this effect is 5 - 10 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-8 Protein [NBP1-48335] - 15 % SDS-PAGE (3ug)



15% SDS-PAGE (3ug)

Publications

Zhang L, Yu H, Bai Y Et al. A Neoglycoprotein-Immobilized Fluorescent Magnetic Bead Suspension Multiplex Array for Galectin-Binding Studies Molecules (Basel, Switzerland) 2021-10-14 [PMID: 34684775] (MI)

Procedures

SDS-Page protocol for Galectin-8 Protein (NBP1-48335)
SDS-PAGE (NBP1-48335):
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) <p/>
2. Centrifuge at 15000rpm for 10 minutes and wash four times with PBS. <p/>
3. Dilute packed cells in a 0.5 mg/ml trypsin-EDTA solution to give 4% red cell suspension. <p/>
4. Incubate for 1h at 37C and wash four times with PBS. <p/>
5. Dilute packed cells in PBS to give 4% red cell suspension. <p/>
6. Load 50ul of 0.5%BSA-in-0.15M-NaCl solution and 25ul of 4%-Red-Cell-in-PBS in u shaped wells. <p/>
7. Add 25ul of serial diluted galectin protein in PBS to each well plate. (Round bottom 96 well plate) <p/>
8. Incubate for 30min at room temperature to observe visible agglutination.

Novus Biologicals USA
10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada
21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd
19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information
www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

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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