

# Product Datasheet

## Recombinant Human Lipocalin-2/NGAL Protein NBP2-61329-10ug

Unit Size: 10 ug

Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.

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**NBP2-61329-10ug****Recombinant Human Lipocalin-2/NGAL Protein**

<b>Product Information</b>	
<b>Unit Size</b>	10 ug
<b>Concentration</b>	Lyoph
<b>Storage</b>	Store at -20 to -70C as supplied. After reconstitution, store at 2 to 8C for 1 month and at -20 to -70C for long term storage. Avoid repeated freeze-thaw cycles.
<b>Preservative</b>	No Preservative
<b>Reconstitution Instructions</b>	Recommended to centrifuge prior to opening. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/mL.
<b>Purity</b>	>95%, by SDS-PAGE and HPLC
<b>Buffer</b>	Lyophilized from a 0.2 um filtered concentrated solution in PBS, pH 7.4, with 0.05 % Tween-20.
<b>Target Molecular Weight</b>	41 kDa

<b>Product Description</b>	
<b>Description</b>	<p>A homodimeric protein consisting of two 178 amino acid non-glycosylated polypeptide chains corresponding to Lipocalin-2/NGAL <b>Source:</b> <i>E. coli</i></p> <p><b>Uniprot ID:</b> P80188</p> <p><b>Amino Acid Sequence:</b> QDSTSDLIPA PPLSKVPLQQ NFQDNQFQGK WYVVGLAGNA ILREDKDPQK MYATIELKE DKSYNVTSVL FRKKKCDYWI RTFVPGCQPG EFTLGNIKSYPGLTSYLVRV VSTNYNQHAM VFFKKVSQNR EYFKITLYGR TKELTSELKE NFIRFSKSLG LPENHIVFPV PIDQCIDG</p>
<b>Gene ID</b>	3934
<b>Gene Symbol</b>	LCN2
<b>Species</b>	Human
<b>Details of Functionality</b>	Lipocalin-2/NGAL protein is fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using human TF-1 cells is less than 0.5 ng/ml, corresponding to a specific activity of > 2.0 x 10 <sup>6</sup> IU/mg.
<b>Endotoxin Note</b>	Less than 0.1 EU/ug of Lipocalin-2/NGAL as determined by LAL method.

<b>Product Application Details</b>	
<b>Applications</b>	Bioactivity
<b>Recommended Dilutions</b>	Bioactivity





### **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

### **Products Related to NBP2-61329-10ug**

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NBP1-50987-0.1mg	Recombinant Human Lipocalin-2/NGAL His Protein
210-TA-005	TNF-alpha [Unconjugated]
DY1857-05	Lipocalin-2/NGAL [Biotin]
M6000B-1	IL-6 [HRP]

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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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