

# Product Datasheet

## CpG oligodeoxynucleotides Mouse NBP2-31142

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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**NBP2-31142**

CpG oligodeoxynucleotides Mouse

Product Information	
Unit Size	0.1 mg
Concentration	Please see the protocols for proper use of this product. If no protocol is available, contact technical services for assistance.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Buffer	Sterile water

Product Description	
Description	<p><b>Mouse Sequence CpG ODN (1018) Type B: 5'</b>  <b>T*G*A*C*T*G*T*G*A*A*C*G*T*T*C*G*A*G*A*T*G*A 3'</b></p> <p>(* Indicates a phosphorothioate modification)</p> <p><b>Functionality:</b> This product is useful for the activation of TLR9 and the stimulation of TLR9 has been reported with 5-20 ug/ml.</p>
Species	Mouse

Product Application Details	
Applications	Ligand Activation
Recommended Dilutions	Ligand Activation 5-20 ug/ml
Application Notes	A TLR9/NF-kB SEAP reporter construct in a HEK 293 cell line was used as a model system for studying hTLR9 activation.

**Publications**

Jeong SK, Heo YK, Jeong JH et al. COVID-19 Subunit Vaccine with a Combination of TLR1/2 and TLR3 Agonists Induces Robust and Protective Immunity Vaccines 2021-08-27 [PMID: 34579194]

Shah AU, Cao Y, Siddique N et al. miR29a and miR378b Influence CpG-Stimulated Dendritic Cells and Regulate cGAS/STING Pathway Vaccines (Basel) 2019-11-26 [PMID: 31779082]





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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Support products are guaranteed for 6 months from date of receipt.

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