

# Product Datasheet

## Recombinant Human BMPR-IA/ALK-3 Protein NBP2-76260-5ug

Unit Size: 5 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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**NBP2-76260-5ug****Recombinant Human BMPR-IA/ALK-3 Protein**

<b>Product Information</b>	
<b>Unit Size</b>	5 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>	Sterile water at 0.1 mg/mL
<b>Purity</b>	>95%, by SDS-PAGE
<b>Buffer</b>	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing phosphate buffered saline (PBS)
<b>Target Molecular Weight</b>	80.8 kDa

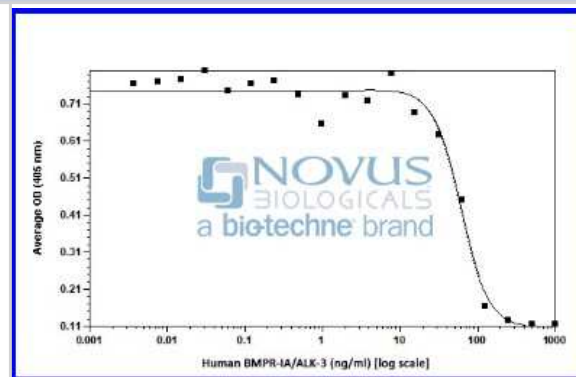
<b>Product Description</b>	
<b>Description</b>	For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80C and avoid repeat freeze thaws.  Expiration Date: 12 months from date of receipt when stored at -20C to -80C as supplied. 1 month when stored at 4C after reconstituting as directed. 3 months when stored at -20C to -80C after reconstituting as directed.
<b>Gene ID</b>	657
<b>Gene Symbol</b>	BMPR1A
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	BMPR-IA/ALK-3 is a dimer, 40.4/80.8 kDa (362/724 aa)
<b>Details of Functionality</b>	Inhibition of human BMP-4-induced alkaline phosphatase production by ATDC5 cells, >8.3 x 10 <sup>3</sup> units/mg (ED50 acceptance criteria are <120 ng/mL).
<b>Endotoxin Note</b>	Acceptance criteria for endotoxin levels are <1 EUs/ug protein (determined by Kinetic LAL Method).

<b>Product Application Details</b>	
<b>Applications</b>	SDS-Page, Bioactivity
<b>Recommended Dilutions</b>	SDS-Page, Bioactivity
<b>Application Notes</b>	Lot Specific Information: Given endotoxin and ED50 values are acceptance criteria standards. For lot specific values, please contact technical support.



## Images

Bioactivity: Recombinant Human BMPR-IA/ALK-3 Protein [NBP2-76260]  
- BMPR-IA/ALK-3 induced inhibition of BMP-4 activity on ATDC5 cells.





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### **Limitations**

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