

PRODUCT INFORMATION SUMMARY

Murine NOGGIN

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| Purified Factor | Product Number | RC444310A | 5.0 ug |
| | Product Number | RC444310B | 20.0 ug |

DESCRIPTION:

Mouse NOGGIN, a protein that binds TGF beta ligands, regulates TGF Beta family activity by blocking signaling receptors. This interaction between TGF beta ligands and their binding proteins like NOGGIN results in significant affect in the developmental process. Originally identified as a BMP-4 antagonist, NOGGIN regulates the activity of BMPs (BMP-2,7,13 and 14) and is vital for accurate formation of the head and other dorsal strcuture. Murine NOGGIN has molecular weight of 46.4 kDa as a disulfide-linked homodimer with two 206 aa. chains.

SOURCE: E. Coli
Purity > 95% by HPLC analysis
Endotoxin < 0.1 ng per ug Murine NOGGIN

BIOLOGICAL ACTIVITY: Half maximal inhibition of 5.0 ng/mL of BMP-4 induced alkaline phosphatase production by ATDC chondrogenic cells achieved at 2.0 ng/mL mouse NOGGIN.

HANDLING AND STORAGE:

Purified Murine NOGGIN factor is provided lyophilized and free of additives. Store lyophilized, at -20° C. Reconstitute with **50 uL distilled water** , then further dilute in PBS or other buffered solutions (**pH 7.2**). Store small aliquots at -20° C , **with addition of 0.1% BSA**, for long-term storage up to 3 months, at high concentration.

Microcentrifuge before reconstitution. Because ANTIGENIX factors are provided without carrier proteins like sucrose or BSA, the small quantities of lyophilized protein can adhere to the sides and cap of the vial during manufacture. **Before opening the vial**, we recommend microcentrifuging for 30 seconds to spin-down all material.

WARRANTY:

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product.

RESEARCH USE ONLY -NOT for DRUG USE