**Noggin Human, recombinant**

**Catalog #: SC-042**

**Size: 10 µg**

**Description:** Human Noggin, also known
as symphalangism 1 (SYM1) or synostoses
(multiple) syndrome 1 (SYNS1), GenBank
Accession No. NM\_005450, amino-acids 28-
232(end), disulfide-linked homodimer.
MW=~28kDa (monomer), expressed in Freestyle 293F cells.

**Endotoxin Level:** <1 EU/μg.

**Biological Activity:** measured by
Noggin’s ability to inhibit BMP-4-induced
alkaline phosphatase production by C2C12
mouse myoblast cells. The ED50 is < 20
ng/ml in the presence of 30 ng/ml of human
BMP-4.

**Application:** 

Useful for the study of enzyme kinetics,
screening inhibitors, selectivity
profiling and cell culture.

**Formulation:** Lyophilized from a 0.2 μM
filtered, aqueous solution.

**Reconstitution:** Supplied as a lyophilized solid.
Reconstitute in sterile water with 0.1% BSA to a
final concentration of 0.1 mg/ml. Final formulation
will be 50 mM Tris, pH 8.0, 1.2 M NaCl, 2.7 mM
KCl, 0.1% BSA.

**Stability:** ≥12 months at –80°C (as a solid).
Store reconstituted protein in aliquots at –20°C to
–80°C for up to 6 months. Avoid freeze/thaw
cycles.

**References:**
1. Tao, Y.X., et al. (2010). Indian J. Exp. Biol.
48(5):444-52.
2. Mfopou, J.K., et al. (2010). Gastroenter-ology.
138(7):2233- 2245.
3. Chaturvedi, G., et al. (2009). Cell Prolif.
42(4):425-33

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