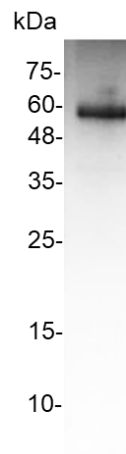


Catalog number	C01194-5UG / C01194-20UG / C01194-100UG
Package	5 µg / 20 µg / 100 µg
Description	Noggin is a bioactive protein intended for use in cell culture applications. Noggin protein which bind to ligands of the TGF-β family and regulate their activity by inhibiting their access to signaling receptors. Noggin was originally identified as a BMP-4 antagonist whose action is critical for proper formation of the head and other dorsal structures.
Expression System	HEK293 cell
Sequence	Gln28-Cys232
Species of Origin	Human
Affinity Tag	Fc Tag (C-term)
Endotoxin level	<0.1 EU per 1 µg of the protein by the LAL method.
Activity	Measure by its ability to inhibit BMP-4-induced alkaline phosphatase production by ATDC5 cells. The ED ₅₀ for this effect is <0.05 µg/mL in the presence of 50 ng/mL of recombinant human BMP-4.
Purity	>98% as determined by SDS-PAGE.
Form	Lyophilized
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Stability & Storage	This product is stable after storage at: <ul style="list-style-type: none">• -20°C for 12 months in lyophilized state from date of receipt.• -20°C or -80°C for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.



SDS-PAGE analysis of recombinant human Noggin

For research use only.