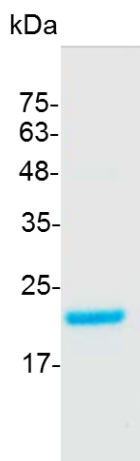


PRODUCT INFORMATION

Noggin, Human

Catalog number	C01176-5UG / C01176-20UG / C01176-100UG
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.
Source	<i>Escherichia coli</i>
Sequence	MQHYLHIRPAPSDNLPLVDLIEHPDPI FDPKEKDLNETLLRSLGGHYDPGFMAT SPPEDRPGGGGGAAGGAEDLAELDQLLRQPSGAMPSEIKGLEFSEGLAQGK KQRLSKLRRKLMWLWSQTFCPVLYAWNDLGSRFWPRYVKVGSFCFSKRSC SVPEGMVCKPSKSVHSLTVLRWRCQRRGGQRCGWIPYIPISECKCSC with polyhistidine tag at the C-terminus
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.
Formulation	The protein was lyophilized from a solution containing 1X PBS containing, pH 7.4.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 100 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Storage	Lyophilized protein should be stored at -20°C. Upon reconstitution, protein aliquots should be stored at -20°C or -80°C.
Note	Please use within one month after protein reconstitution.



SDS-PAGE analysis of recombinant human Noggin

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