

Noggin/NOG/SYM1/SYNS1, Human, Recombinant

货号：PCK365

产品信息

别名	NOG, Noggin, SYM1, symphalangism 1 (proximal), synostoses (multiple) syndrome 1, SYNS1, SYNS1A
物种	Human
表达宿主	E.coli
序列信息	MQHYLHIRPAPSDNLPLVDLIEHPDPIFDPKEKDLNETLLRSLLGGHYDPGF MATSPPEDRPGGGGGAAGGAEDLAELDQLLRQRPSGAMPSEIKGLEFSEGL AQGKKQRLSKKLRRKLRQMWLWSQTFPCVLYAWNDLGSRFWPRYVKVGS CFSKRSCSVPEGMVCKPSKSVHLTVLRWRCQRRGGQRCGWIPYPIISECK CSC with polyhistidine tag at the C-terminus.
检索号	Q13253.1
分子量	24 kDa
标签	His-tag at the C-terminus
生物活性	Measure by its ability to inhibit BMP-4-induced alkaline phosphatase production by ATDC5 cells. The ED50 for this effect is <0.05 µg/mL in the presence of 50 ng/mL of recombinant human BMP-4.

产品特性

纯度	>98% as determined by SDS-PAGE. Ni-NTA chromatography
内毒素	<0.1 EU per 1 µg of the protein by the LAL method.
保存	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10% FBS, 5% HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.
运输	Ambient temperature or ice pack.
制剂	The protein was lyophilized from a 0.2 µm filtered solution containing 1X PBS, pH 7.4.



复融

It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 $\mu\text{g/mL}$. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

背景介绍

Noggin is a bioactive protein intended for use in cell culture applications. Noggin protein which binds to ligands of the TGF- β family and regulates 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.

SDS-PAGE

