碧云天网站 微信公众号

碧云天生物技术/Beyotime Biotechnology
订货热线：400-168-3301或800-8283301
订货e-mail：order@beyotime.com
技术咨询：info@beyotime.com
网址：http://www.beyotime.com

EMSA探针－NF-κB (10μM)

产品编号	产品名称	包装
GS056A	EMSA探针－NF-κB (10μM)	30μl

产品简介：

- EMSA探针－NF-κB是用于EMSA(也称gel shift)研究的NF-κB consensus oligonucleotide。这个双链寡核苷酸含有公认的NF-κB结合位点，可以用作EMSA研究时的探针。
- NF-κB consensus oligo的序列如下：
  5' -AGT TGA GGG GAC TTT CCC AGG C-3'
  3' -TCA ACT CCC CTG AAA GGG TCC G-5'
- 本EMSA探针可以使用T4 Polynucleotide Kinase在[γ^{-32}P]ATP存在的情况下进行标记，也可以用于生物素标记。
- 一个包装的探针可以进行约90个同位素标记探针的反应，每次标记的探针可以测定约100个样品；或约可以进行60个生物素标记探针反应。如果作为未标记的探针用于同位素标记探针的冷竞争(cold competition)，可以进行90-180个冷竞争反应。如果用于生物素标记探针的冷竞争时，可以进行约30个冷竞争反应。

包装清单：

产品编号	产品名称	包装
GS056A	EMSA探针－NF-κB (10μM)	30μl
—	说明书	1份

保存条件：

-20ºC保存一年有效。

注意事项：

- 避免加热到40ºC以上，温度过高会导致双链DNA探针解聚成单链。而单链无法用于EMSA研究。
- 对于EMSA的详细操作可以参考我们的EMSA试剂盒的使用说明。
- 本产品仅限于专业人员的科学研究用，不得用于临床诊断或治疗，不得用于食品或药品，不得存放于普通住宅内。
- 为了您的安全和健康，请穿实验服并戴一次性手套操作。

使用说明：

1. 用于EMSA探针的标记，可以参考如下反应体系：

待标记探针(1.75μM)	2μl
T4 Polynucleotide Kinase 10X Buffer	1μl
Nuclease-Free Water	5μl
[γ^{-32}P]ATP (3,000Ci/mmol at 10mCi/ml)	1μl
T4 Polynucleotide Kinase (5–10u/μl)	1μl
总体积	10μl

2. 如果用于生物素标记，具体方法和步骤可以参考碧云天的EMSA探针生物素标记试剂盒(GS008)。
3. 如果用于冷竞争，没有标记的探针的用量应该是标记探针的用量的50-100倍。

使用本产品的文献：

1. Sun XG, Fu XQ, Cai HB, Liu Q, Li CH, Liu YW, Li YJ, Liu ZF, Song YH, Lv ZP. Proteomic Analysis of Protective Effects of Polysaccharides from Salvia miltiorrhiza AgainstImmunological Liver Injury in Mice. Phytother Res. 2011 Jul;25(7):1087-94.
2. Zheng Y, Liu X, Guo SW. Therapeutic potential of andrographolide for treating endometriosis. Hum Reprod. 2012 May;27(5):1300-13.
3. Qin QJ, Niu JY, Wang ZX, Xu WJ, Qiao ZD, Gu y. Astragalus membranaceus Inhibits Inflammation via Phospho-P38 Mitogen-Activated Protein Kinase (MAPK) and Nuclear Factor (NF)-κB Pathways in Advanced Glycation End Product-Stimulated Macrophages. Int. J. Mol. Sci. 2012, 13(7), 8379-8387.
4. Xie X, Peng J, Huang K, Huang J, Shen X, Liu P, Huang H. Polydatin ameliorates experimental diabetes-induced fibronectin through inhibiting the activationof NF-κB signaling pathway in rat glomerular mesangial cells. Mol Cell Endocrinol. 2012 Jun 22.
5. Sun J, Fan L, Li M, Zhang Y, Cheng N. Decreasing Pin1 suppresses telomerase activity by NF-κB in HCT116 cells colorectal carcinoma. The Chinese-German Journal of Clinical Oncology.April 2013, Volume 12, Issue 4, pp 181-187.
6. Xu J, Wu F, Tian D, Wang J, Zheng Z, Xia N. Open reading frame 3 of genotype 1 hepatitis E virus inhibits nuclear factor-kappa B signaling induced by tumor necrosis factor-α in human A549 lung epithelial cells. PLoS One. 2014 Jun 24;9(6):e100787. doi: 10.1371/journal.pone.0100787. eCollection 2014.
7. Shan X, Tian LL, Zhang YM, Wang XQ, Yan Q, Liu JW. Ginsenoside Rg3 suppresses FUT4 expression through inhibiting NF-κB/p65 signaling pathway to promote melanoma cell death. Int J Oncol. 2015 Aug;47(2):701-9.

8. Guan H, Mi B, Li Y, Wu W, Tan P, Fang Z, Li J, Zhang Y, Li F. Decitabine represses osteoclastogenesis through inhibition of RANK and NF-κB. Cell Signal. 2015 May;27(5):969-77.
9. Tan P, Guan H, Xie L, Mi B, Fang Z, Li J, Li F. FOXO1 inhibits osteoclastogenesis partially by antagnozing MYC. Sci Rep. 2015 Nov 16;5:16835.
10. Guan H, Zhao L, Cao H, Chen A, Xiao J. Epoxyeicosanoids suppress osteoclastogenesis and prevent ovariectomy-induced bone loss. FASEB J. 2015 Mar;29(3):1092-101.
11. Wu J, Hu G, Lu Y, Zheng J, Chen J, Wang X, Zeng Y. Palmitic acid aggravates inflammation of pancreatic acinar cells by enhancing unfolded protein responseinduced CCAAT-enhancer-binding protein β-CCAAT-enhancer-binding protein α activation. Int J Biochem Cell Biol. 2016 Oct;79:181-193.
12. Xu Y, Gao AM, Ji LJ, Li X, Zhong LL, Li HL, Zheng DH. All-Trans Retinoic Acid Attenuates Hypoxia-Induced Injury in NRK52E Cells via Inhibiting NF-x03BA;B/VEGF and TGF-β2/VEGF Pathway. Cell Physiol Biochem. 2016;38(1):229-36.
13. Jiang X, Li Z, Jiang S, Tong X, Zou X, Wang W, Zhang Z, Wu L, Tian D. Lipoxin A4 exerts protective effects against experimental acute liver failure by inhibiting the NF-κBpathway. Int J Mol Med. 2016 Mar;37(3):773-80.
14. Zhang Y, Wu J, Ying S, Chen G, Wu B, Xu T, Liu Z, Liu X, Huang L, Shan X, Dai Y, Liang G. Discovery of new MD2 inhibitor from chalcone derivatives with anti-inflammatory effects in LPS-inducedacute lung injury. Sci Rep. 2016 Apr 27;6:25130.
15. Liu JS, Wei XD, Lu ZB, Xie P, Zhou HL, Chen YY, Ma JM, Yu LZ. Liang-Ge-San, a classic traditional Chinese medicine formula, protects against lipopolysaccharide-induced inflammation through cholinergic anti-inflammatory pathway. Oncotarget. 2016 Apr 19;7(16):21222-34.

Version 2017.02.21