

Product Datasheet

QuikChIP (with Loading Control) Kit (ChIP) NBP2-29497

Unit Size: 1 Kit

Storage of components varies. See protocol for specific instructions.

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NBP2-29497**QuikChIP (with Loading Control) Kit (ChIP)**

Product Information	
Unit Size	1 Kit
Concentration	Concentration is not relevant for this product. Please see the protocols for proper use of this product.
Storage	Storage of components varies. See protocol for specific instructions.

Product Description	
Description	<p>The QuikChIP(TM) Kit contains components for 25 ChIP assays optimized for use with transcriptionally active chromatin in adherent or suspension mammalian cells. The protocol is optimized for use with one 10 cm plate containing 5×10^6 cells per preparation. Each ChIP assay requires approximately 1×10^6 cells. Thus, a 10 cm plate (one preparation) of cells will provide enough DNA for five ChIP assays.</p> <p>Features: Quick and simple. Optimized ready-to-use buffers and protocol are included. Can be used for both histone and non-histone proteins.</p>

Kit Components	Wash Buffer A (25 mL), Wash Buffer B (25 mL), Wash Buffer C (25 mL), Wash Buffer D (25 mL), 10X Glycine (25 mL), 10X PBS (55 mL), Salmon Sperm DNA/Protein A/G Agarose (2 x 1.75 mL), RNA Pol II Antibody at 1 mg/mL (25 uL), RNase A at 10 mg/mL (60 uL), Human GPDH Primer at 10 pmole/uL (100 uL), Negative Control Primer at 10 pmole/uL (100 uL), 100X PMSF (0.75 mL), 100X PIC (0.75 mL), Proteinase K at 10 mg/mL (60 uL), 20% SDS (625 uL), 1M NaHCO ₃ (1.25 mL), 0.5M EDTA (250 uL), 5M NaCl (500 uL), 1M Tris-HCl pH 6.5 (500 uL), SDS Lysis Buffer (50 mL)
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Product Application Details	
Applications	Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Chromatin Immunoprecipitation (ChIP)

Images

Chromatin Immunoprecipitation: QuickChip (with Loading Control) ChIP Kit [NBP2-29497] - Lane 1: 100 bp ladder.

Lane 2: 293 cells - RNAPol II - GAPDH primers.

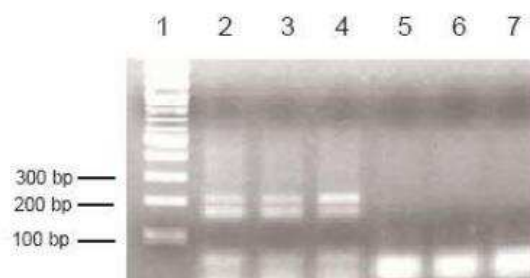
Lane 3: HeLa cells - RNAPol II - GAPDH primers.

Lane 4: A549 cells - RNAPol II - GAPDH primers.

Lane 5: 293 cells - RNAPol II - Neg control primers.

Lane 6: HeLa cells - RNAPol II - Neg control primers.

Lane 7: A549 cells - RNAPol II - Neg control primers.



Publications

Vinothkumar K, Chanda S, Singh VK et al. EVI1 upregulates PTGS1 (COX1) and decreases the action of tyrosine kinase inhibitors (TKIs) in chronic myeloid leukemia cells International journal of hematology 2022-10-25 [PMID: 36282419] (Chemotaxis)

Cao Y, Feng Z, He X Et al. Prolactin-regulated Pbk is involved in pregnancy-induced beta cell proliferation in mice The Journal of endocrinology 2021-11-01 [PMID: 34788229]

Massoumi R, Kuphal S, Hellerbrand C et al. Down-regulation of CYLD expression by Snail promotes tumor progression in malignant melanoma. J Exp Med. 2009-01-16 [PMID: 19124656] (Chemotaxis)

Details:
30101K (Quick ChIP Kit), ChIP assay demonstrated Snail1 to the CYLD promoter. Table 3S, Fig 2A: primary melanoma cells, and melanoma cells.





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