<https://support.10xgenomics.com/single-cell-gene-expression/software/overview/system-requirements>

问题均可咨询10X官方支持：

[support@10xgenomics.com](mailto:support@10xgenomics.com)

**最低系统配置需求：**

Cell Ranger pipelines run on **Linux** systems that meet these minimum requirements:

* 8-core Intel or AMD processor (16 recommended)
* 64GB RAM (128GB recommended)
* 1TB free disk space
* 64-bit CentOS/RedHat 5.5 or Ubuntu 10.04

**主体软件下载：Cellranger 2.1（软件直接解压缩即可使用）**

*wget -O cellranger-2.1.0.tar.gz "http://cf.10xgenomics.com/releases/cell-exp/cellranger-2.1.0.tar.gz?Expires=1519742068&Policy=eyJTdGF0ZW1lbnQiOlt7IlJlc291cmNlIjoiaHR0cDovL2NmLjEweGdlbm9taWNzLmNvbS9yZWxlYXNlcy9jZWxsLWV4cC9jZWxscmFuZ2VyLTIuMS4wLnRhci5neiIsIkNvbmRpdGlvbiI6eyJEYXRlTGVzc1RoYW4iOnsiQVdTOkVwb2NoVGltZSI6MTUxOTc0MjA2OH19fV19&Signature=asbBQSCEXuOKkh3Qb4JOLqYL~Wpg2k7r2XEuwg7VpE6-ThR59Daw1qHVwwxHSbAD8bo4FoXdizyFWKMchAjqefoFPe~52xWOB4f3ZgX7Ey1gLtN04D-dAfAzMqJew9wF5d2fyav~~OUsSTThsKYWZ2wRKp9BQPvmY8J2BMCbwIE~7rmGty~1BVgm697nzDOGiyQ2HHHrFU0H3dMBLhdfTpsI23EdKgQvattQHDFotcheC~1jrqIU4F-QewrSII3pef0IrRBwsWvjDvoUXi-u8OpYx7V9LjrgMztWKW-MhTBf0EkmJGlTUCpsAbWwUCLIASn5N1llH9OQeigL23QVxw\_\_&Key-Pair-Id=APKAI7S6A5RYOXBWRPDA"*

**参考转录组数据下载：**

GRCh38 *wget* [*http://cf.10xgenomics.com/supp/cell-exp/refdata-cellranger-GRCh38-1.2.0.tar.gz*](http://cf.10xgenomics.com/supp/cell-exp/refdata-cellranger-GRCh38-1.2.0.tar.gz)

Hg19 *wget* [*http://cf.10xgenomics.com/supp/cell-exp/refdata-cellranger-hg19-1.2.0.tar.gz*](http://cf.10xgenomics.com/supp/cell-exp/refdata-cellranger-hg19-1.2.0.tar.gz)

常见问题：

1、我们只需要使用到count工具，需要注意，运行时的内存，以及硬盘要求是否足够

2、参考转录组10x有提供，别找错了类别

3、测试的时候注意对应软件的版本