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

碧云天网站　微信公众号

Recombinant Human TNF-α/TNFSF2

产品编号	产品名称	包装
P5318-10μg	Recombinant Human TNF-α/TNFSF2	10μg
P5318-50μg	Recombinant Human TNF-α/TNFSF2	50μg
P5318-100μg	Recombinant Human TNF-α/TNFSF2	100μg
P5318-1mg	Recombinant Human TNF-α/TNFSF2	1mg

产品简介：

Species	Gene ID	Accession	Source	Length	MW	Tag
Human	7124	P01375	*E. coli*	158aa	17.5kDa	—

About this protein	
Name	Recombinant Human TNF-α/TNFSF2 (Recombinant Human Tumor Necrosis Factor-α/TNFSF2; rHuTNF-α/TNFSF2)；重组人肿瘤坏死因子α/TNFSF2
Synonyms	Cachetin; DIF; TNF; tnfa; tnf-a; TNFSF1A; TNFSF2; APC1 protein; Cachectin; DIF; TNF, monocyte-derived; TNF-a; TNF-alphacachectin; TNFATNF, macrophage-derived; TNFSF2TNF superfamily, member 2; tumor necrosis factor; tumor necrosis factor (TNF superfamily, member 2); tumor necrosis factor alpha; Tumor necrosis factor ligand superfamily member 2; tumor necrosis factor-alpha
Purity	>98% by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active when compared to standard. The ED50 as determined by a cytotoxicity assay using murine L929 cells is less than 0.05ng/ml, corresponding to a specific activity of $>2.0×10^7$IU/mg in the presence of actinomycin D.
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation	Lyophilized from a 0.2μm filtered concentrated solution in 20mM PB, 10mM Nacl, pH7.0.
Endotoxin	Less than 1EU/μg of rHuTNF-α/TNFSF2 as determined by LAL method.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0mg/ml. Stock solutions should be apportioned into working aliquots and stored at ≤-20℃. Further dilutions should be made in appropriate buffered solutions.
Category	Cytokine
Background	Tumor necrosis factor alpha (TNF-α), also called cachectin, is the best-know member of the TNF-family, which can cause cell death. This protein is produced by neutrophils, activated lymphocytes, macrophages, NK cells, LAK cells, astrocytes endothelial cells, smooth muscle cells and some transformed cells. TNF-α occurs as a secreted, soluble form and as a membrane-anchored form, both of which are biologically active. The naturally-occurring form of TNF-α is glycosylated, but non-glycosylated recombinant TNF-α has comparable biological activity. The biologically active native form of TNF-α is reportedly a trimer. Human and murine TNF-α show approximately 79% homology at the amino acid level and cross-reactivity between the two species. Two types of receptors for TNF-α have been described and virtually all cell types studied show the presence of one or both of these receptor types.
Amino Acid Sequence	MVRSSSRTPS DKPVAHVVAN PQAEGQLQWL NRRANALLAN GVELRDNQLV VPSEGLYLIY SQVLFKGQGC PSTHVLLTHT ISRIAVSYQT KVNLLSAIKS PCQRETPEGA EAKPWYEPIY LGGVFQLEKG DRLSAEINRP DYLDFAESGQ VYFGIIAL

包装清单：

产品编号	产品名称	包装
P5318-10μg	Recombinant Human TNF-α/TNFSF2	10μg
P5318-50μg	Recombinant Human TNF-α/TNFSF2	50μg
P5318-100μg	Recombinant Human TNF-α/TNFSF2	100μg

P5318-1mg	Recombinant Human TNF-α/TNFSF2	1mg
—	说明书	1份

保存条件：

-20℃或更低温度保存，至少一年有效。由于蛋白的每次冻融均会引起部分失活，所以首次配制成相应浓度的储存液后(请根据产品简介中Reconstitution一栏的信息配制储存液)，须分装后-20℃或更低温度冻存，以避免反复冻融。

注意事项：

➢ 由于有些塑料管壁对某些蛋白有较强的吸附作用，溶液中的蛋白很容易粘附在管壁上，并且粘附后的蛋白很难与管壁分离。而载体蛋白(Carrier protein，如0.1% BSA等)的主要作用是预先封闭塑料管壁上的蛋白结合位点，使细胞因子或重组蛋白不会粘附于管壁。所以一定要使用产品简介中Reconstitution一栏的信息配制储存液。

➢ 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. 收到产品后请立即按照说明书推荐的条件保存。除非特别注明，碧云天相关产品均为冻干粉，由于微量的蛋白在冻干过程中沉积在管内，形成很薄或不可见的蛋白层，所以在打开管盖前，我们建议在离心机中约8,000-12,000g离心10-30秒，使附着在管盖或管壁上的蛋白聚集于管底。

2. 请根据实验目的并按照产品简介中Reconstitution一栏中的信息配制储存液。大多数细胞因子或重组蛋白的冻干粉是非常容易溶解的，一般用移液枪的枪头轻吹几下或者轻轻摇晃瓶子，即可使细胞因子或重组蛋白完全溶解。请勿用vortex剧烈振荡，以免蛋白变性而失活。

3. 具体的最佳工作浓度请自行参考相关文献，或者根据实验目的，以及特定细胞和动物，通过实验进行摸索和优化。

Version 2017.02.10