

Recombinant Human Tumor Necrosis Factor-alpha/TNFSF2 GMP (rHuTNF- α /TNFSF2 GMP) PrimeGene Technical Data Sheet

Catalog Number:	GMP-103-01
Source:	<i>Escherichia coli</i> .
Molecular Weight:	Approximately 17.5 kDa, a single non-glycosylated polypeptide chain containing 158 amino acids.
Quantity:	5 μ g/100 μ g/1mg
AA Sequence:	MVRSSSRTPS DKPVAHVVAN PQAEGQLQWL NRRANALLAN GVELRDNQLV VPSEGLYLIY SQVLFKGGQC PSTHVLTLTHT ISRIAVSYQT KVNLLSAIKS PCQRETPEGA EAKPWYEPIY LGGVFQLEKG DRLSAEINRP DYLDFAESGQ VYFGIHAL
Purity:	> 98 % by SDS-PAGE and HPLC analyses.
Biological Activity:	Fully biologically active when compared to standard. The ED ₅₀ as determined by a cytotoxicity assay using murine L929 cells is less than 0.05 ng/ml, corresponding to a specific activity of > 2.0 \times 10 ⁷ IU/mg in the presence of actinomycin D.
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation:	Lyophilized from a 0.2 μ m filtered concentrated solution in 10 mM PB, 10 mM NaCl, pH 7.0.
Endotoxin:	Less than 0.01 EU/ μ g of rHuTNF- α /TNFSF2 GMP 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 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at \leq -20 °C. Further dilutions should be made in appropriate buffered solutions.
Shipping:	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none">● 12 months from date of receipt, -20 to -70 °C as supplied.● 1 month, 2 to 8 °C under sterile conditions after reconstitution.● 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Usage:	This GMP product can be for research use or further manufacturing use.
Quality statement:	The manufacture and testing of this product is in compliance with ICH Q7a guidelines.

