



## Product Datasheet

<b>Product Name</b>	Leptin Antagonist Triple Mutant Pegylated Rat Recombinant
<b>Cata No</b>	CB501301
<b>Source</b>	<i>Escherichia coli</i> .
<b>Synonyms</b>	

### Description

Leptin Antagonist Triple Mutant Rat Recombinant is a single non-glycosylated polypeptide chain containing 146 amino and additional Ala at N-terminus acids and having a molecular mass of ~ 16 kDa. The Rat Leptin antagonist was mutated, resulting in L39A/D40A/F41A mutant. The Rat Leptin antagonist is bound to 20 kDa mono-PEG at N-terminus, resulting in 35.6 kDa. The Rat Leptin triple antagonist runs as a 48 kDa. Leptin Antagonist Triple Mutant Rat Recombinant was purified by proprietary chromatographic techniques.

### Physical Appearance

White lyophilized (freeze-dried) powder.

### Biological Activity

Leptin Antagonist Triple Mutant Rat Recombinant half-life in circulation after SC injection was over 20 hours. Leptin Antagonist Triple Mutant Rat Recombinant is capable of inhibiting leptin-induced proliferation of BAF/3 cells stably transfected with the long form of human leptin receptor. Leptin Antagonist Triple Mutant Rat Recombinant in vitro activity is 5-6 fold lower than the non-pegylated antagonist, though in vivo it has profound weight gain effect (as compared to the non-pegylated antagonist), resulting mainly from increased food intake.

### Purity

Greater than 99.0% as determined by:  
(a) Gel filtration analysis.  
(b) Analysis by SDS-PAGE.

### Formulation

The The Rat Leptin triple antagonist was lyophilized from a concentrated (0.65mg/ml) solution with 0.003mM NaHCO<sub>3</sub>.

### Reconstitution

It is recommended to reconstitute the lyophilized Leptin Antagonist Triple Mutant Rat Recombinant in

**\* For Non-Clinical Research Use Only \***