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## AR10471PU-S OriGene EU

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## **Sheep Leptin Triple Antagonist - Purified**

| Catalog No.:   | AR10471PU-S   |
|----------------|---|
| Quantity:      | 20 µg   |
| Concentration: | 0.65 mg/ml (prior to lyophil.)  |
| Species:       | Sheep   |
| Source:        | E. coli   |
| Format:        | <ul> <li>State: White lyophilized (freeze-dried) powder</li> <li>Purity: &gt;98.0% as determined by both Gel filtration and SDS-PAGE analysis.</li> <li>Purification Method: Proprietary chromatographic techniques.</li> <li>Buffer System: Lyophilized from a concentrated (0.65 mg/ml) solution with 0.003mM NaHCO<sub>3</sub></li> <li>Reconstitution: Restore in sterile water or sterile 0.4% NaHCO3adjusted to pH 8, not less than 100 μg/ml, which can then be further diluted to other aqueous solutions.</li> </ul>   |
| Description:   | Recombinant Ovine Leptin Antagonist Triple Mutant is a single non-glycosilated<br>polypeptide chain containing 146 amino and additional Ala at N-terminus acids and having<br>a Molecular Mass of ~ 16 kDa, Leptin was mutated, resulting in L39A/D40A/F41A mutant.<br><b>Protein content:</b> Protein quantitation was carried out by UV spectroscopy at 280 nm using<br>the absorbency value of 0.21 as the extinction coefficient for a 0.1% (1mg/ml) solution at<br>pH 8.0. This value is calculated by the PC GENE computer analysis program of protein<br>sequences (IntelliGenetics).<br><b>AA Sequence:</b> |
|                | The sequence of the first five N-terminal amino acids was determined and was found to be <i>Ala-Val-Pro-Ile-Arg</i> .<br><b>Biological Activity:</b> Recombinant Ovine Leptin-Antagonist Triple Mutant is capable of inhibiting leptin-induced proliferation of BAF/3 cells stably transfected with the long form of mouse leptin receptor. It also inhibits various leptin effects in several <i>in vitro</i> bioassays.   |
| Storage:       | Prior to reconstitution store at 2-8°C for one month or desiccated below -18°C.<br>Following reconstitution (at 0.1 mg/ml and up to 2mM and Filter sterilization) store<br>undiluted at 2-8°C<br>At lower concentration addition of a carrier protein (0.1% HSA or BSA) is suggested.<br>Avoid repeated freezing and thawing.<br>Shelf life: one year from despatch.  |

**For research and in vitro use only. Not for diagnostic or therapeutic work.** Material Safety Datasheets are available at www.acris-antibodies.com or on request.



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