

## Human Atosiban - Purified

<b>Catalog No.:</b>	AR10239PU-L
<b>Quantity:</b>	1 g
<b>Species:</b>	Human
<b>Source:</b>	Synthetic
<b>Format:</b>	<b>State:</b> Sterile Filtered White lyophilized (freeze-dried) powder without additives <b>Purity:</b> >99.0% as determined by RP-HPLC and SDS-PAGE analysis <b>Reconstitution:</b> Restore in sterile 18MΩ·cm <sup>-1</sup> H <sub>2</sub> O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.
<b>Description:</b>	Atosiban also called ADH (Anti-Diuretic Hormone) has a molecular formula of C <sub>43</sub> H <sub>67</sub> N <sub>11</sub> O <sub>12</sub> S <sub>2</sub> , Mpr-Tyr(OEt)-Ile-Thr-Asn-Cys-Pro-Orn-Gly-NH <sub>2</sub> having a Mw of 994.2 Dalton is the first oxytocin antagonist to be specifically developed for the treatment of preterm labour. Atosiban has a specific mode of action, inhibiting oxytocin-induced uterine contractions by blocking oxytocin receptors in the uterus. Extensive clinical investigations have shown Atosiban to be at least as effective as current tocolytic agents. In addition, due to its novel and specific mode of action, Atosiban has a markedly improved maternal side effects profile compared with conventional therapies.
<b>Storage:</b>	Prior to reconstitution store at RT for one month or desiccated below -18°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.