What is claimed is:

1. The use of a Proline-Rich Polypeptide complex with a molecular weight of up to 10 kDa comprising 16-22% of proline, derived from the mammalian colostrum, in the manufacture of a medicament for use in the treatment and/or prophylaxis of the disorders and conditions responding to the increase and/or prevention from fluctuations of the Brain-Derived Neurotrophic Factor level, said disorders and conditions comprising mild cognitive deficit, depressed mood, memory decline, or for prophylactic use to improve cognitive functions and enhance nervous system development of infants, young children and adults, wherein Brain-Derived Neurotrophic Factor diagnosed in a blood serum is a biomarker of said disorders and conditions, and the medicament is to be administered in order to increase or prevent fluctuations of the Brain-Derived Neurotrophic Factor level.

2. The use according to claim 1, wherein the medicament is to be administered in order to increase the Brain-Derived Neurotrophic Factor in the blood.

3. The use according to claim 1 or 2, wherein the medicament is to be administered in order to increase the efficiency of short-term visual memory, improve the ability to focus and/or to concentrate, improve learning abilities and spatial memory, and increase the speed of reaction in response to a stimulus.

4. The use according to claim 1 or 2, wherein the medicament is to be administered as a nutritional additive for older babies after breastfeeding, for children, and for adults.

5. The use according to claim 1 or 2, wherein the medicament is to be administered as a nutritional additive for pregnant women, in order to increase the Brain-Derived Neurotrophic Factor level in the blood of a mother and a baby.

6. The use according to claim 1 or 2, wherein the medicament is to be administered as an additive in a modified milk formula for older babies after

breastfeeding, in order to increase the Brain-Derived Neurotrophic Factor level in a baby blood.

7. The use according to claim 1 or 2, wherein the medicament is to be administered as an additive in an infant nutritional milk formula, in order to increase the Brain-Derived Neurotrophic Factor level in an infant blood, to the level being at least comparable to the level detected in the blood of breastfed baby.

8. The use according to claim 7, wherein the medicament is to be administered as an additive in an infant nutritional milk formula, to nourish infants belonging to the group comprising infants who had not been breasted from birth and infants post weaning from mother's milk, said infants being additionally diagnosed with a low Brain-Derived Neurotrophic Factor level in the blood.

9. The use according to claim 1 to 8, wherein the Proline-Rich Polypeptide complex is isolated from bovine or any other farm animal colostrum.

10. The use according to claim 1-9, wherein the Proline-Rich Polypeptide complex comprises about 18% of acidic amino acids.

11. The use according to claim 10, wherein the Proline-Rich Polypeptide is free of the β-lactoglobulin fraction.