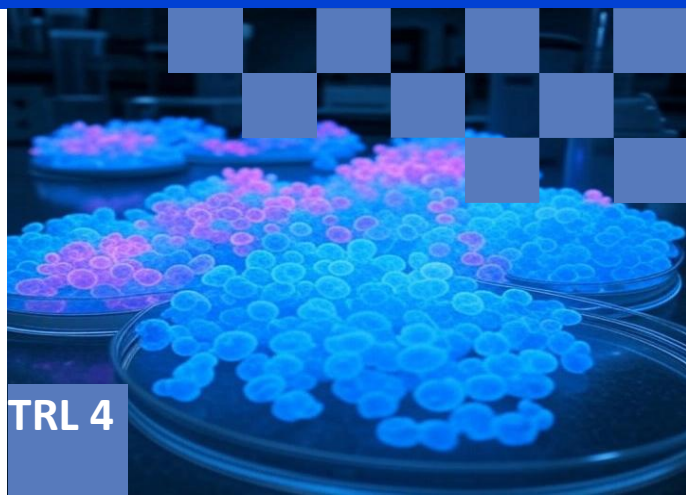
chemistry

Modified Amplification and Expression Vectors, Fusion Proteins, Composition and Their Application



About the solution

The invention relates to an amplification and expression vector as well as associated fusion proteins, including PhoA-His6-polypeptide signal protein TSRGDHELLGGGAAPVGG_10, PhoA-His6-polypeptide signal protein MalE-His6-polypeptide signal protein TSRGDHELLGGGAAPVGG_20-40, and further fusion proteins comprising His6-c-Myc-WYY-Ubiquitin linked with various signal polypeptides.

The invention also includes the use of the described amplification and expression vector for gene expression in Escherichia coli BL21 Star(DE3) in vitro, as well as a composition containing the purified fusion protein together with a pharmaceutically acceptable carrier or excipient.

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IP protection

The invention is protected by the Polish Patent Office under the following number: **Pat.240936**.

Applications

- Biotechnology
- Genetic engineering,
- Pharmacy.

Possible cooperation

- Research partnership,
- Licensing,
- Technology sale

Technology readiness level

TRL 4 - Technology validated in laboratory conditions

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