By taking the projects which are carried out in the universities in Turkey and are funded by the Scientific and Technological Research Council (TÜBİTAK) as an output, the paper tries to estimate the knowledge production function of Turkey. The knowledge production function was first introduced by Griliches in 1979. Traditionally, the production function has been utilized in empirical studies under micro-level theory of firm. However, the advance of knowledge economy together with the development in information technologies has entailed the redefinition of the sources of knowledge production. The multi-locality of knowledge and the inter-actor pipeline transportation structure of it render the concept attractive in the regional level. In this context the studies on the knowledge production function are aggregated in the universities that may be identified as knowledge hubs. In Turkey, the principle institution that contributes to knowledge production and innovation is the universities. In the study, an OLS analysis is made with cross-section data by utilizing the datum of state universities operating in Turkey at the NUTS III level. The dependant variable of the knowledge production function that is developed by using Cobb-Douglas production function is the annual research and development fund transferred to universities by TÜBİTAK for the projects. Other variables in the analysis are the annual R&D expenditures of universities, the number of academic staff, number of postgraduate students and the existence of Technology Transfer Office and/or Technopolis. According to the analysis results there is a positive and significant relationship between R&D fund, and postgraduate students and technology transfer offices/technopolis. However, the relationship between R&D expenditures and the R&D funds transferred to the universities is found to be statistically insignificant. While R&D funds and academic staff are assessed together a negative and insignificant relationship is found, but in the models in which academic staff is decomposed the results differ.