

Oncoproteins

Oncoproteins E6 and E7

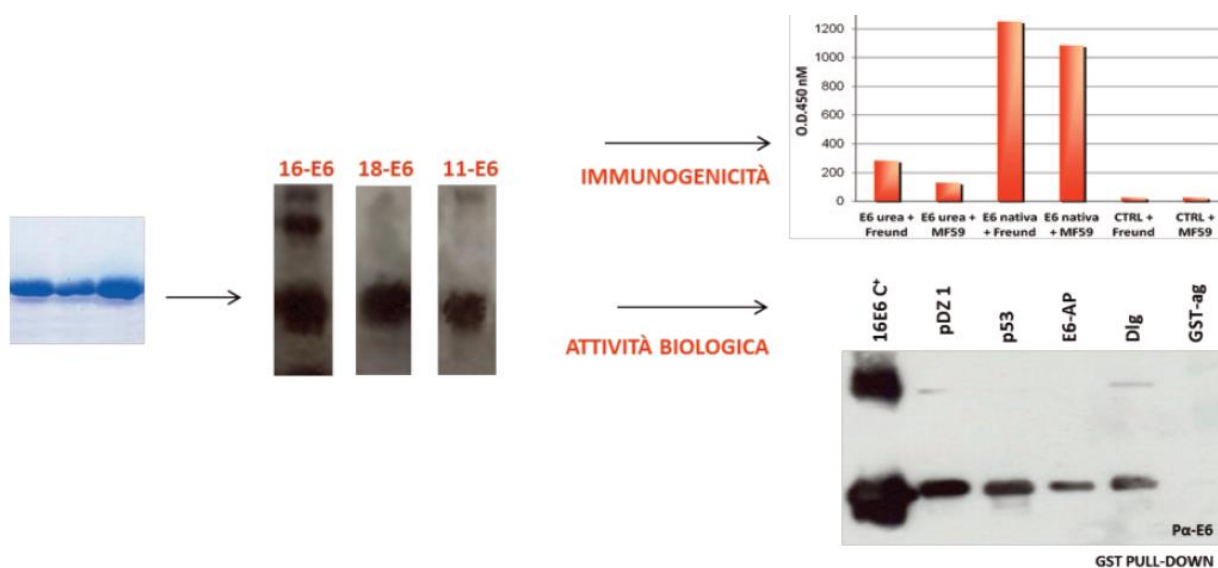
Innovative aspects and related benefits

The high-risk human papillomaviruses (hR-HPVs) are the etiologic agents of cervical cancer and are associated to anal and oropharyngeal cancers. The over-expression of E6 and E7 oncoproteins is a necessary step toward HPV disease progression and cancer: their direct/indirect detection offers new opportunities to develop tests to distinguish self-resolving HPV infections from infections that are progressing to cancer. Recently (2013), the HPV16 E6 protein has been identified as an early biomarker for HPV-driven cancers, since E6 seropositivity was found to be present more than 10 years before the diagnosis of oropharyngeal cancers. Our technology is the building block towards the development of simple/rapid/reliable/portable/low-cost diagnostic kits for early detection of HPV associated cancer.

Usage

The HPV E6 protein is extremely difficult to obtain as soluble when expressed in a recombinant form. A special procedure allows obtaining a stable, unmutated E6 protein (from HPV-16, -18, -11) in native conditions. The E6 and E7 oncoproteins, together with other recombinant HPV proteins produced in our lab, can be used for the development of new diagnostic kits as well as to get highly specific antibodies that are still lacking in the market.

Interested parties/customers should inquire and explain the nature of their interests as the protein is currently only provided to selected R&D projects and OEM customers



DISCLAIMER

Nanofaber © provides this product to early discovery researchers as part of a collection of unique chemicals. Yet, buyer assumes final responsibility to confirm product identity and purity. All sales are final.

Notwithstanding any contrary provision contained in Nanofaber's standard terms and conditions of sale or an agreement between Nanofaber and buyer, Nanofaber sells this product "as-is" and makes no representation or warranty whatsoever with respect to this product, including any (a) warranty of merchantability, (b) warranty of fitness for a particular purpose, or (c) warranty against infringement of intellectual property rights of a third party, whether arising by law, course of dealing, course of performance, usage of trade or otherwise.

RELEASED BY NANOFABER © FOR R&D NON-LICENSED USE ONLY - NOT FOR HUMAN/CLINICAL APPLICATIONS