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# ORAOV1 Human

**Description:**ORAOV1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 161 amino acids (1-137 a.a) and having a molecular mass of 17.9kDa.ORAOV1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:**PRPS-1099

For research use only.

**Synonyms:**Oral cancer-overexpressed protein 1, Tumor-amplified and overexpressed sequence 1, ORAOV1, TAOS1.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile Filtered colorless solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MGSHMAGSQD IFDAIVMADE RFHGEGYREG YEEGSSLGVM EGRQHGTLHG AKIGSEIGCY QGFAFAWKCL LHSCTTEKDS RKMKVLESLI GMIQKFPYDD PTYDKLHEDL DKIRGKFKQF CSLLNVQPDF KISAEGSGLS F.

**Purity:**Greater than 90.0% as determined by SDS-PAGE.

**Formulation:**
ORAOV1 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl and 10% glycerol.

**Stability:**
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

**Usage:**
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**
Oral cancer-overexpressed protein 1 (ORAOV1) is a candidate oncogene in the 11q13 chromosomal region. Functional analyses showed that ORAOV1 was involved in the regulation of HeLa cell growth via its effect on cell cycle and apoptosis. ORAOV1 is widely expressed; it has a high expression in the placenta, kidney and skeletal muscle. ORAOV1 is amplified and overexpressed in oral cancer cells.

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