# Product information



## OVCA2, 1-227aa

### Human, His-tagged, Recombinant, *E.coli*

### Cat. No. IBATGP1618

**Full name:** Ovarian tumor suppressor candidate 2      **NCBI Accession No.:** NP_543012

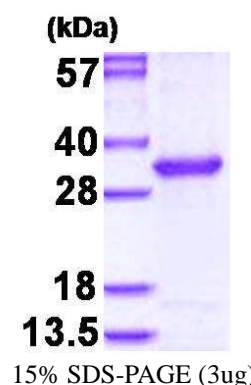**Synonyms:** Ovarian cancer-associated gene 2 protein

**Description**: Ovarian tumor suppressor candidate 2, also known as OVCA2, belongs to the UPF0483 family. It is ubiquitously expressed and its expression is regulated by retinoids. OVCA2 interacts with apoptosis-related protein Bag-1, indicating that this protein may participate in cell proliferation. Due to its structural and catalytic characteristics, OVCA2 is thought to act as a serine-hydrolase and, because of its reduced expression in ovarian and other tumor cell lines, it may play a role in tumor suppression. Recombinant human OVCA2 protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

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| **Form**:  Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.1M NaCl, 10% glycerol,1mM DTT <br><br> **Molecular Weight:** 26.9kDa (251aa), confirmed by MALDI-TOF <br><br> (Molecular weight on SDS-PAGE will appear higher) <br><br> **Purity:** > 90% by SDS - PAGE <br><br> **Concentration:** 0.5 mg/ml (determined by Bradford assay) |  <br> 15% SDS-PAGE (3ug) |

**Sequences of amino acids:**

MGSSHHHHHH SSGLVPRGSH MGSHMAAQRP LRVLCLAGFR QSERGFREKT GALRKALRGR AELVCLSGPH PVPDPPGPEG ARSDFGSCPP
EEQPRGWWFS EQEADVFSAL EEPAVCRGLE ESLGMVAQAL NRLGPFDGLL GFSQGAALAA LVCALGQAGD PRFPLPRFIL LVSGFCPRGI
GFKESILQRP LSLPSLHVFG DTDKVIPSQE SVQLASQFPG AITLTHSGGH FIPAAAPQRQ AYLKFLDQFA E

**General references:**

Azizi A A*., et al.* (2006) *Cancer Lett.* 241(2):235-49.

Prowse A H*., et al.* (2002) *Int J Cancer.* 99(2): 185-92.

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.