

# Recombinant Human DRAP1, His-tagged

**Cat. No.** DRAP1-2670H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human DRAP1 with a His tag is expressed in <i>E. coli</i> . MW: 28±5 KDa.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | Transcriptional repression is a general mechanism for regulating transcriptional initiation in organisms ranging from yeast to humans. Accurate initiation of transcription from eukaryotic protein-encoding genes requires the assembly of a large multiprotein complex consisting of RNA polymerase II and general transcription factors such as TFIIA, TFIIB, and TFIID. DR1 is a repressor that interacts with the TATA-binding protein (TBP) of TFIID and prevents the formation of an active transcription complex by precluding the entry of TFIIA and/or TFIIB into the preinitiation complex. |
| <b>Formulation</b>      | 20% Glycerol solution at 0.20 mg/ml.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Activity</b>         | Interacts with TBP and prevents the TBP-IIB-IIA complex required for transcription.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Storage</b>          | Store at -80°C. At least 1 year at -80°C.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## GENE INFORMATION

|                  |                                                                             |
|------------------|-----------------------------------------------------------------------------|
| <b>Gene Name</b> | DRAP1 DR1-associated protein 1 (negative cofactor 2 alpha) [ Homo sapiens ] |
|------------------|-----------------------------------------------------------------------------|

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                                     |                                                                                                                                                           |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Synonyms</b>                     | DRAP1; DR1-associated protein 1 (negative cofactor 2 alpha); dr1-associated corepressor; negative co-factor 2-alpha; negative cofactor 2 alpha; NC2-alpha |
| <b>Gene ID</b>                      | <a href="#">10589</a>                                                                                                                                     |
| <b>mRNA Refseq</b>                  | <a href="#">NM_006442</a>                                                                                                                                 |
| <b>Protein Refseq</b>               | <a href="#">NP_006433</a>                                                                                                                                 |
| <b>MIM</b>                          | <a href="#">602289</a>                                                                                                                                    |
| <b>UniProt ID</b>                   | <a href="#">Q14919</a>                                                                                                                                    |
| <b>Chromosome Location</b>          | 11q13.3                                                                                                                                                   |
| <b>Pathway</b>                      | Cell Cycle, Mitotic; Nucleotide excision repair; DNA Repair; Gene Expression; HIV Infection; Transcription; mRNA Processing                               |
| <b>Function</b>                     | DNA binding; sequence-specific DNA binding; transcription corepressor activity; transcription factor activity                                             |
| <b>PDB rendering based on 1jfi.</b> |                                                                       |