

## Chromosome 12 Open Reading Frame 5 Human Recombinant

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| <b>Item Number</b>                       | rAP-3019   |
| <b>Synonyms</b>                          | Probable fructose-2,6-bisphosphatase TIGAR, TP53-induced glycolysis and apoptosis regulator, TIGAR, C12orf5.   |
| <b>Description</b>                       | C12ORF5 Human Recombinant fused with a 24 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 294 amino acids (1-270 a.a.) and having a molecular mass of 32.6kDa. The C12ORF5 is purified by proprietary chromatographic techniques.                                    |
| <b>Uniprot Accession Number</b>          | Q9NQ88   |
| <b>Amino Acid Sequence</b>               | MGSSHHHHHH SSGLVPRGSH MGSHPMARFAL TVVRHGETRF NKEKIQGGQ VDEPLSETGF KQAAAA-GIFL NNVKFTHAFS SDLMRKQTM HGILERSKFC KDMTVKYDSR LRERKYGVVE GKALSELRAM AKAAREECPV FTPPGGETLD QVKMRGIDFF EFLCQLILKE ADQKEQFSQG SPSNCLETSL AEIFPLGKNH SSKVNSDSGI PGLAASVLVV SHGAYMRSLF DYFLTDLKCS LPATLSRSEL MSVTPNTGMS LFIINFEEGR EVKPTVQCIC MNLQDHLNGL TETR. |
| <b>Source</b>                            | Escherichia Coli.  |
| <b>Physical Appearance and Stability</b> | Sterile Filtered colorless solution. Store at 4&deg;C if entire vial will be used within 2-4 weeks. Store, frozen at -20&deg;C for longer periods of time.&nbsp;&nbsp; For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.   |
| <b>Formulation and Purity</b>            | The C12ORF5 solution (0.5 mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 0.2M NaCl, 2mM DTT and 10% glycerol. Greater than 90.0% as determined by SDS-PAGE.   |
| <b>Application</b>                       |  |
| <b>Solubility</b>                        |  |
| <b>Biological Activity</b>               |  |
| <b>Shipping Format and Condition</b>     | Lyophilized powder at room temperature.  |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**