

## Product datasheet for TP521557

### Cdkn2aip (NM\_172407) Mouse Recombinant Protein

#### Product data:

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| Product Type:                         | Recombinant Proteins                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Description:                          | Purified recombinant protein of Mouse CDKN2A interacting protein (Cdkn2aip), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Species:                              | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Expression Host:                      | HEK293T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Expression cDNA Clone or AA Sequence: | >MR221557 representing NM_172407<br><div> <div>Red</div>=Cloning site <div>Green</div>=Tags(s) </div> <p>           MAQEVSEYLSQNPRVAAWVETLRCEGETDKHWRHRREFLLRNAGDLVPATDETADAESGARTRQLQQLV<br/>           S<br/>           FSMAWANHVFLGCRYPQKVMKDILSMAEGIKVTDAPIHTTRDELVAKVKKRGISSNEGVEEPSKKRAVE<br/>           GKNSSVERDGHGKSAKTDRSAAQENSSPSRGSSTKSEGGTSARSSSSGSHQDSATSEGDRSVCSQSS<br/>           SNSSQVTAGSGKALESEAPHKRGSAFVSSLLKSSMNSHMTQSTDNRQQSGSPKKGALEGSSGSASQSS<br/>           EIEVPLLGSSEAEVELPLLCKSSSETASSGLTSKSSSEANISSSVSKNSSSSGSSLLTPQSSSTNPSL<br/>           LTSKSTAQVAASLLATKSGASLGVSQLAAGSGSQSSTSQPLSKSTSQAESSVKFACRKLTNEDIKQKQ<br/>           PFFNRLYKTVAWKLVAVGGFSPTVNHGELLNAAIEALKATLDVFFVPLKELADLPQNKSSQESIVCELRC<br/>           KSVYLTGCGKSKENAKAVASREALKFLKKKVVVKICKRKYRGSEIEDLVLLDEEARPVNLPALKHPQ<br/>           ELL<br/> <br/> <div> <div>TR</div> <div>TRPLEQKLISEEDLAANDILDYKDDDDKV</div> </div> </p> |
| Tag:                                  | C-MYC/DDK                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Predicted MW:                         | 59.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Concentration:                        | >0.05 µg/µL as determined by microplate BCA method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Purity:                               | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Buffer:                               | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Note:                                 | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Storage:                              | Store at -80°C after receiving vials.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Stability:                            | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |


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|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RefSeq:       | <u>NP_765995</u>                                                                                                                                                                                                    |
| Locus ID:     | 70925                                                                                                                                                                                                               |
| UniProt ID:   | <u>Q8BI72</u>                                                                                                                                                                                                       |
| RefSeq Size:  | 3494                                                                                                                                                                                                                |
| Cytogenetics: | 8 B1.1                                                                                                                                                                                                              |
| RefSeq ORF:   | 1689                                                                                                                                                                                                                |
| Synonyms:     | 4921511I16Rik; AW208986; CARF                                                                                                                                                                                       |
| Summary:      | Regulates DNA damage response and cell proliferation in a dose-dependent manner through a number of signaling pathways involved in cell proliferation, apoptosis and senescence.<br>[UniProtKB/Swiss-Prot Function] |