

# Recombinant Full Length Human BIRC2 Protein, C-Flag-tagged

**Cat. No.** BIRC2-954HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human BIRC2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | The protein encoded by this gene is a member of a family of proteins that inhibits apoptosis by binding to tumor necrosis factor receptor-associated factors TRAF1 and TRAF2, probably by interfering with activation of ICE-like proteases. This encoded protein inhibits apoptosis induced by serum deprivation and menadione, a potent inducer of free radicals. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Molecular Mass</b>   | 69.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>AA Sequence</b>      | MHKTASQRLFPGPSYQNIKSIMEDSTILSDWTNSNKQKMKYDFSCELYRMSTYSTFP<br>AGVPVSLERLARA GFYYTGVNDKVKCFCCGLMLDNWKLGDSPIQKHKQLYPSCSFI<br>QNLVSASLGSTSKNTSPMRNSFAHSLS PTLHSSLFSGSYSSLSPNPLNSRAVEDIS<br>SSRTNPYSYAMSTEEARFLTYHWPPLTFLSPSELARAGFY YIGPGDRVACFACGGK<br>LSNWEPKDDAMSEHRRHFPNCPFLENSLETLRFSISNLMSQTHAARMRTFMYPWP S<br>SVPVQPEQLASAGFYVGRNDDVKCFCCDGLRCWESGDDPWVEHAKWFP RCEF<br>LIRMGQVEFVDEIQG RYPHLLQLLSTSDTTGEENADPPIIHFGPGESSSEDVMMN                                       |

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TPVVKSALEMGFNRDLVKQTVQSKILTT GENYKTVNDIVSALLNAEDEKREEEKEKQ  
 AEEMASDDLIRKNRMALFQQLTCVLPILDNLLKANVINK QEHDIIKQKTQIPLQARE  
 LIDTILVKGNAANIFKNCLKEIDSTLYKNLFVDKNMKYIPTEDVSGLSLEE  
 QLRRQLQEERTCKVCMDKEVSVVFI PCGHLVVCQECAPSLRKCPICRGIKGTVRTFLS  
 TRTRPLEQKLISEEDLAANDILDYKDDDDKV

|                         |                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining.                                                                                  |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| <b>Storage</b>          | Store at -80 centigrade.                                                                                                                      |
| <b>Concentration</b>    | >50 ug/mL as determined by microplate BCA method.                                                                                             |
| <b>Preparation</b>      | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.                              |
| <b>Protein Families</b> | Druggable Genome                                                                                                                              |
| <b>Protein Pathways</b> | Apoptosis, Focal adhesion, NOD-like receptor signaling pathway, Pathways in cancer, Small cell lung cancer, Ubiquitin mediated proteolysis    |
| <b>Full Length</b>      | Full L.                                                                                                                                       |

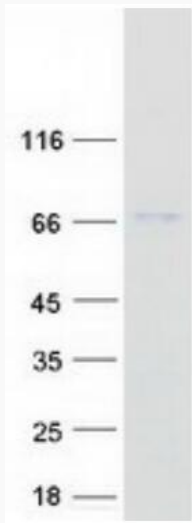
## GENE INFORMATION

|                        |                                                                    |
|------------------------|--------------------------------------------------------------------|
| <b>Gene Name</b>       | BIRC2 baculoviral IAP repeat containing 2 [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | BIRC2                                                              |

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|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
| <b>Synonyms</b>                                                                                                                               | API1; MIHB; HIAP2; RNF48; cIAP1; Hiap-2; c-IAP1 |
| <b>Gene ID</b>                                                                                                                                | 329                                             |
| <b>mRNA Refseq</b>                                                                                                                            | NM_001166.5                                     |
| <b>Protein Refseq</b>                                                                                                                         | NP_001157.1                                     |
| <b>MIM</b>                                                                                                                                    | 601712                                          |
| <b>UniProt ID</b>                                                                                                                             | Q13490                                          |
|  <p>Coomassie blue staining of purified BIRC2 protein.</p> |                                                 |