

# Recombinant Full Length Human POLDIP2 Protein, C-Flag-tagged

**Cat. No.** POLDIP2-1965HFL    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Full Length Human POLDIP2 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>      | This gene encodes a protein that interacts with the DNA polymerase delta p50 subunit, as well as with proliferating cell nuclear antigen. The encoded protein maybe play a role in the ability of the replication fork to bypass DNA lesions. Alternative splicing results in multiple transcript variants.                                                                                                                                       |
| <b>Form</b>             | 25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Molecular Mass</b>   | 41.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>AA Sequence</b>      | MAACTARRALAVGSRWWSRSLTGARWPRPLCAAAGAGAFSPASTTTTTRRHLSSRN<br>RPEGKVLETVGVEFEV PKQNGKYETGQLFLHSIFGYRGVVLFPWQARLYDRDVASA<br>APEKAENPAGHGSKEVKGKTHTYQVLIDA RDCPHISQRSQTEAVTFLANHDDSR<br>LYAIPGLDYVSHEDILPYTSTDQVPIQHELPERFLLYDQTKAPP FVARETLRAWQEKN<br>HPWLELSDVHRETTENIRVTVIPFYMGMRQAQNSHVYWWRYCIRLENLSDSDVVQLR<br>ERHWRIFSLSGTLETVRGRGVVGREPVLSKEQPAFQYSSHVSLQASSGHMWGTFR<br>FERPDGSHFDVRIPP FSLESNKDEKTPPSGLHW TRTRPLEQKLISEEDLAANDILDY<br>KDDDDKV |

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|                      |                                                                                                                                               |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <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>Full Length</b>   | Full L.                                                                                                                                       |

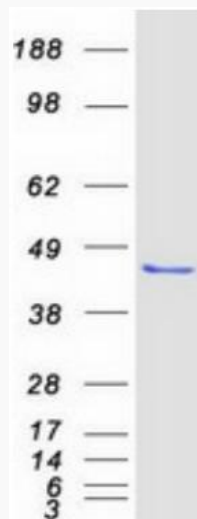
## GENE INFORMATION

|                        |                                                                             |
|------------------------|-----------------------------------------------------------------------------|
| <b>Gene Name</b>       | POLDIP2 DNA polymerase delta interacting protein 2 [ Homo sapiens (human) ] |
| <b>Official Symbol</b> | POLDIP2                                                                     |
| <b>Synonyms</b>        | p38; POLD4; PDIP38                                                          |
| <b>Gene ID</b>         | 26073                                                                       |
| <b>mRNA Refseq</b>     | NM_015584.5                                                                 |
| <b>Protein Refseq</b>  | NP_056399.1                                                                 |
| <b>MIM</b>             | 611519                                                                      |
| <b>UniProt ID</b>      | Q9Y2S7                                                                      |

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Coomassie blue staining of purified POLDIP2 protein.

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