

## Recombinant Human MAPRE2 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** MAPRE2-748H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | MAPRE2 MS Standard C13 and N15-labeled recombinant protein (NP_001137299) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                         |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | The protein encoded by this gene shares significant homology to the adenomatous polyposis coli (APC) protein-binding EB1 gene family. This protein is a microtubule-associated protein that is necessary for spindle symmetry during mitosis. It is thought to play a role in the tumorigenesis of colorectal cancers and the proliferative control of normal cells. Alternative splicing of this gene results in multiple transcript variants. |
| <b>Molecular Mass</b>   | 35.6 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>AA Sequence</b>      | MKQNRDQKCPVSQRNSSFQQPGRKPGCSSWGMVNVYSTSITQETMSRHDIIAWV<br>NDIVSLNYTKVEQLCSGAAYCQFMDMLFPGCISLKKVKFQAKLEHEYIHNFKLLQASF<br>KRMNVDKVIPVEKLVKGRFQDNLDIFIQWFKKFYDANYDGKEYDPVEARQGQDAIPP<br>PDPGEQIFNLPPKSHHANSPTAGAAKSSPAAKPGSTPSRPSSAKRASSSGSASKSD<br>KDLETQVIQLNEQVHSLKLALEGVEKERDFYFGKLREIELLCQEHGQENDDLVQRLM<br>DILYASEEHEGHTEEPEAEQAHEQQPPQQEEYTRTRPLEQKLISEEDLAANDILDY<br>KDDDDKV                                                               |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                                                                                                                                                                                                                                                     |

 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>Stability</b>      | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| <b>Storage</b>        | Store at -80 centigrade. Avoid repeated freeze-thaw cycles.                                |
| <b>Concentration</b>  | 50 µg/mL as determined by BCA                                                              |
| <b>Storage Buffer</b> | 100 mM glycine, 25 mM Tris-HCl, pH 7.3.                                                    |

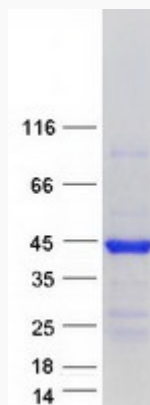
## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                               |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | MAPRE2 microtubule associated protein RP/EB family member 2 [ Homo sapiens (human) ]                                                                                                                                                                                          |
| <b>Official Symbol</b> | MAPRE2                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>        | MAPRE2; microtubule-associated protein, RP/EB family, member 2; microtubule-associated protein RP/EB family member 2; APC binding protein EB1; EB1; EB2; RP1; end-binding protein 2; APC-binding protein EB1; APC-binding protein EB2; T-cell activation protein, EB1 family; |
| <b>Gene ID</b>         | 10982                                                                                                                                                                                                                                                                         |
| <b>mRNA Refseq</b>     | NM_001143827                                                                                                                                                                                                                                                                  |
| <b>Protein Refseq</b>  | NP_001137299                                                                                                                                                                                                                                                                  |
| <b>MIM</b>             | 605789                                                                                                                                                                                                                                                                        |
| <b>UniProt ID</b>      | Q15555                                                                                                                                                                                                                                                                        |

 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

**SDS-PAGE**

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