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# Product datasheet for TP507591

## Coro1c (NM_011779) Mouse Recombinant Protein

### Product data:

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|---|---|
| **Product Type:** | Recombinant Proteins |
| **Description:** | Purified recombinant protein of Mouse coronin, actin binding protein 1C (Coro1c), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| **Species:** | Mouse |
| **Expression Host:** | HEK293T |
| **Expression cDNA Clone or AA Sequence:** | >MR207591 protein sequence<br>Red=Cloning site Green=Tags(s)<br><br>MRRVVRQSKFRHVFGQAVKNDQCYDDIRVSRVTWDSSFCAVNPRFVAIIIEASGGGAFLVLPLHKTGRID<br>KSYPTVCGHTGPVLDIDWCPHNDQVIASGSEDCTVMVWQIPENGLTLSLTEPVVILEGHSKRVGIVAWHP<br>TARNVLLSAGCDNAIIIWNVGTGEALINLDDMHSDMIYNVSWSRNGSLICTASKDKKVRVIDPRKQEIVA<br>EKEKAHEGARPMRAIFLADGNVFTTGFSRMSERQLALWNPKNMQEPIALHEMDTSNGVLLPFYDPDTSII<br>YLCGKGDSSIRYFEITDESPYVHYLNTFSSKEPQRGMGYMPKRGLDVNKCEIARFFKLHERKCEPIIMTV<br>PRKSDLFQDDLYPDTAGPEAALEAEEWFEGKNADPILISLKHGYIPGKNRDLKVVKKNILDSKPAANKKS<br>ELSCAPKKPTDTASVQNEAKLDEILKEIKSIKETICSQDERISKLEQQLAKMAA<br><br>TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| **Tag:** | C-MYC/DDK |
| **Predicted MW:** | 53.1 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. |
| **RefSeq:** | NP_035909 |
| **Locus ID:** | 23790 |

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|---|---|
| **UniProt ID:** | Q9WUM4 |
| **RefSeq Size:** | 3436 |
| **Cytogenetics:** | 5 F |
| **RefSeq ORF:** | 1425 |
| **Synonyms:** | AL022675; AW455561; AW548837 |
| **Summary:** | Plays a role in directed cell migration by regulating the activation and subcellular location of RAC1 (PubMed:25074804, PubMed:25925950). Increases the presence of activated RAC1 at the leading edge of migrating cells (PubMed:25074804, PubMed:25925950). Required for normal organization of the cytoskeleton, including the actin cytoskeleton, microtubules and the vimentin intermediate filaments (PubMed:27178841). Required for normal cell proliferation, cell migration, and normal formation of lamellipodia (PubMed:27178841). Plays a role in endoplasmic reticulum-associated endosome fission: localizes to endosome membrane tubules and promotes recruitment of TMCC1, leading to recruitment of the endoplasmic reticulum to endosome tubules for fission. Endosome membrane fission of early and late endosomes is essential to separate regions destined for lysosomal degradation from carriers to be recycled to the plasma membrane (By similarity). Required for normal distribution of mitochondria within cells (PubMed:27178841).[UniProtKB/Swiss-Prot Function] |