

Datasheet for ABIN7550793

## PHACTR1 Protein (AA 1-580) (His tag)



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### Overview

|                               |                                                |
|-------------------------------|------------------------------------------------|
| Quantity:                     | 1 mg                                           |
| Target:                       | PHACTR1                                        |
| Protein Characteristics:      | AA 1-580                                       |
| Origin:                       | Human                                          |
| Source:                       | HEK-293 Cells                                  |
| Protein Type:                 | Recombinant                                    |
| Purification tag / Conjugate: | This PHACTR1 protein is labelled with His tag. |

### Product Details

|           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Purpose:  | Custom-made recombinant PHACTR1 Protein expressed in mammalian cells.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Sequence: | <p>MDYPKMDYFL DVESAHRLLD VESAQRFFYS QGAQARRATL LLPPTLMAAS SEDDIDRRPI</p> <p>RRVRSKSDTP YLAEARISFN LGAAEEVERL AAMRSDSLVP GTHTPPIRRR SKFANLGRIF</p> <p>KPWKWRKKKS EKFKHTSAAL ERKISMQRQR EELIKRGVLK EIYDKDGELS ISNEEDSLEN</p> <p>GQSLSSSQLS LPALSEMEPV PMPRDPCSYE VLQPSDIMDG PDPGAPVKLP CLPVKLSPLL</p> <p>PPKKVMICMP VGGPDLSLVS YTAQKSGQQG VAQHHHTVLP SSIQHQQLQYG SHGQHLPSTT</p> <p>GSLPMHPSGC RMIDELNKTLL AMTMQRLESS EQRVPCSTSY HSSGLHSGDG VTKAGPMGLP</p> <p>EIRQVPTVVI ECDDNKENVP HESDYEDSSC LYTREEEEEE EDEDDSSLY TSSLAMKVCR</p> <p>KDSLAIKLSN RPSKRELEEK NILPRQTDEE RLELRQQIGT KLTRRLSQRP TAEELERQNI</p> <p>LKPRNEQEEQ EEKREIKRRL TRKLSQRPTV EELRERKILI RFSYDVEVAD AQDYDRRADK</p> <p>PWTRLTAADK AAIRKELNEF KSTEMEVHEL SRHLTRFHRP <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special</b></p> |

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**request, please contact us.**

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**Specificity:** If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

**Characteristics:** **Key Benefits:**

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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**Purity:** > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

**Grade:** custom-made

## Target Details

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**Target:** PHACTR1

**Alternative Name:** PHACTR1 ([PHACTR1 Products](#))

**Background:** Phosphatase and actin regulator 1,FUNCTION: Binds actin monomers (G actin) and plays a role in multiple processes including the regulation of actin cytoskeleton dynamics, actin stress fibers formation, cell motility and survival, formation of tubules by endothelial cells, and regulation of PPP1CA activity (PubMed:21798305, PubMed:21939755). Involved in the regulation of cortical neuron migration and dendrite arborization (By similarity). {ECO:0000250|UniProtKB:Q2M3X8, ECO:0000269|PubMed:21798305, ECO:0000269|PubMed:21939755}.

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**Molecular Weight:** 66.3 kDa

**UniProt:** [Q9C0D0](#)

## Application Details

|                    |                                                                                                                                                         |
|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| Application Notes: | We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though. |
| Restrictions:      | For Research Use only                                                                                                                                   |

## Handling

|                  |                                                                  |
|------------------|------------------------------------------------------------------|
| Format:          | Liquid                                                           |
| Buffer:          | The buffer composition is at the discretion of the manufacturer. |
| Handling Advice: | Avoid repeated freeze-thaw cycles.                               |
| Storage:         | -80 °C                                                           |
| Storage Comment: | Store at -80°C.                                                  |
| Expiry Date:     | 12 months                                                        |