

## Recombinant Human Zic3 protein (His Tag)

**Catalog Number:** PDEH100975

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

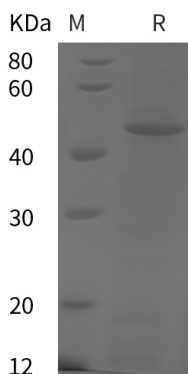
### Description

<b>Species</b>	Human
<b>Source</b>	E.coli-derived Human Zic3 protein Met1-Val467, with an N-terminal His & C-terminal His
<b>Calculated MW</b>	51.3 kDa
<b>Observed MW</b>	52 kDa
<b>Accession</b>	O60481
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95% as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 10 EU/mg of the protein as determined by the LAL method
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.5 mg/mL. Concentration is measured by UV-Vis.

### Data



> 95 % as determined by reducing SDS-PAGE.

### Background

ZIC3, or zic family member 3, is a molecule that regulates early embryonic patterning in vertebrates. ZIC3 has putative roles in a number of developmental signalling pathways that have distinct roles in establishing the left-right axis. In addition, ZIC3 is also considered as target of MiR-564, a tumor suppressor in human lung cancer. Variants in the ZIC3 gene are rare, but have demonstrated their profound clinical significance in X-linked heterotaxy, affecting in particular male patients with abnormal arrangement of thoracic and visceral organs.

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