Recombinant Human Zic3 Protein (His Tag)

Catalog Number: PDEH100975

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

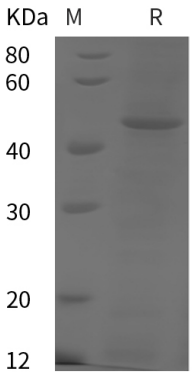
Description

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

Properties

Purity	> 95% as determined by reducing SDS-PAGE.
Endotoxin	< 10 EU/mg of the protein as determined by the LAL method
Storage	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.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with 5% Trehalose and 5% Mannitol.
Reconstitution	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



SDS-PAGE analysis of Human Zic3 proteins, 2 μg/lane of Recombinant Human Zic3 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 52 kDa.

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.

Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web: www.elabscience.com
Email: techsupport@elabscience.com