Recombinant Human NOTCH3 protein (His Tag)

Catalog Number: PDEH101022

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

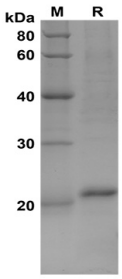
Description

Species	Human
Source	E.coli-derived Human NOTCH3 protein Val1289-Cys1458, with an N-terminal His
Calculated MW	18.6 kDa
Observed MW	21 kDa
Accession	Q9UM47
Bio-activity	Not validated for activity

Properties

Purity	> 90% 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 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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 NOTCH3 proteins, 2μg/lane of Recombinant Human NOTCH3 proteins was resolved with SDS-PAGE under reducing conditions, showing bands at 21 KD.

Background

Human Notch-3 is part of the Notch family of type I transmembrane glycoproteins involved in a number of early-event developmental processes . The extracellular domain of Notch receptors interact with the extracellular domain of transmembrane ligands Jagged, Delta, and Serrate expressed on the surface of a neighboring cell. In both vertebrates and invertebrates, Notch signaling is important for specifying cell fates and for defining boundaries between different cell types.