

Recombinant Mouse Motch A/NOTCH1 Protein (His Tag)

Catalog Number: PKSM041299

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

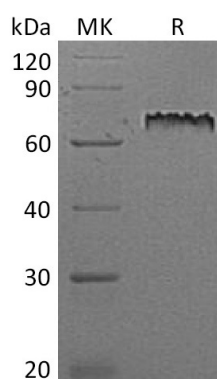
Description

Species	Mouse
Source	HEK293 Cells-derived Mouse Motch A/NOTCH1 protein Ala18-Gln526, with an C-terminal His
Calculated MW	54.4 kDa
Observed MW	70 kDa
Accession	Q01705
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg 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 of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



Background

Mouse Notch1 is a 300 kDa type I transmembrane glycoprotein and it functions as a receptor for membrane-bound ligands Jagged1, Jagged2 and Delta1 to regulate cell-fate determination. Mouse Notch1 is synthesized as a 2531 amino acid (aa) precursor that contains an 18 aa signal sequence, a 1707 aa extracellular domain (ECD) with 36 EGFLike repeats and three Lin12/notch repeats, a 21 aa transmembrane segment and a 785 aa cytoplasmic domain that contains six ankyrin repeats, a glutamine-rich domain and a PEST sequence. Notch1 may play an essential role in postimplantation development, probably in some aspect of cell specification and/or differentiation and may be involved in mesoderm development, somite formation and neurogenesis.

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