PRODUCT INFORMATION

Target	NOTCH3
Synonyms	CADASIL;CADASIL1;CASIL;IMF2;LMNS
Description	Recombinant human NOTCH3 protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q9UM47
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	NOTCH3(Ala40-Glu467) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 70.9 kDa after removal of the signal peptide. The apparent molecular mass of NOTCH3-hFc is approximately 70-100 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage & Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	This gene encodes the third discovered human homologue of the Drosophilia melanogaster type I membrane protein notch. In Drosophilia, notch interaction with its cell-bound ligands (delta, serrate) establishes an intercellular signalling pathway that plays a key role in neural development. Homologues of the notch-ligands have also been identified in human, but precise interactions between these ligands and the human notch homologues remains to be determined. Mutations in NOTCH3 have been identified as the underlying cause of cerebral autosomal dominant arteriopathy with subcortical infarcts and leukoencephalopathy (CADASIL). [provided by RefSeq, Jul 2008]
Usage	Research use only
Conjugate	Unconjugated

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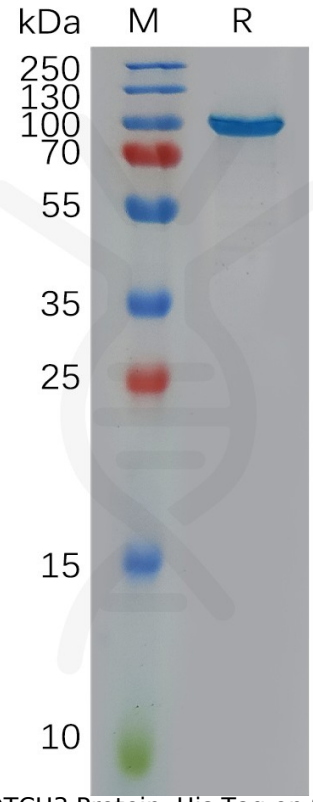

Figure 1. Human NOTCH3 Protein, His Tag on SDS-PAGE under reducing condition.

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