

Recombinant Human NOTCH3 protein, His & GST-tagged

Cat. No. NOTCH3-1813H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NOTCH3 aa. (Leu2053~Gln2318 (Accession # Q9UM47)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Leu2053~Gln2318
Description	This gene encodes the third discovered human homologue of the Drosophila melanogaster type I membrane protein notch. In Drosophila, 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).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 59.2kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	8.1

GENE INFORMATION

Gene Name	NOTCH3 notch 3 [Homo sapiens (human)]
Official Symbol	NOTCH3
Synonyms	NOTCH3; notch 3; IMF2; LMNS; CASIL; CADASIL; CADASIL1; neurogenic locus notch homolog protein 3; Notch homolog 3;
Gene ID	4854
mRNA Refseq	NM_000435.2
Protein Refseq	NP_000426.2

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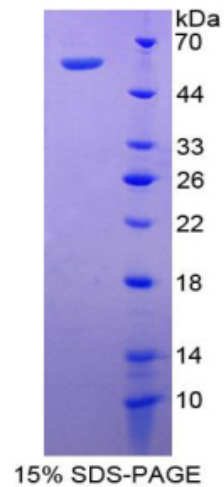
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UniProt ID

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SDS-PAGE

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