

Recombinant Human NOTCH3 Protein, His tagged

Cat. No. NOTCH3-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NOTCH3 Protein with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	40-467 aa
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).
Molecular Mass	46 kDa
AASequence	APPCLDGSPCANGGRCTQLPSREAACLCPPGWVGERCQLEDPCHSGPCAGRGVC QSSVVAGTARFSCRCPRGFRGPDCSLPDPCLSSPCA HGARCSVGPDGRFLCSCPP GYQGRSCRSVDVDECRVGEPCRHHGGTCLNTPGSFRCQCPAGYTGPLCENPAVPCA PSPCRNGGTCTCRQSGDLTYDCACLPGFEGQNCENVNDDCPGHRCLNGGTCVDGVN TYNCQCPPEWTGQFCTEDVDECQLQPNACHNGGTCFNTLGGHSCVCVNGWTGE SCSQNIDDCATAVCFHGHATCHDRVASFYCACPMGKTGLLCHLDDACVSNPCHEDAI

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	CDTNPVNGRAICTCPPGFTGGACDQDVDECSIGANPCEHLGRCVNTQGSFLCQCG RGYTGPRCETDVNECLSGPCRNQATCLDRIGQFTCICMAGFTGTYCEHHHHHHHH
Endotoxin	< 1 EU/μg by LAL
Purity	> 90% by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Sterile PBS, pH7.4
Concentration	1 mg/mL by BCA

GENE INFORMATION

Gene Name	NOTCH3 notch receptor 3 [Homo sapiens (human)]
Official Symbol	NOTCH3
Synonyms	NOTCH3; notch 3; CADASIL, Notch (Drosophila) homolog 3 , Notch homolog 3 (Drosophila); neurogenic locus notch homolog protein 3; CASIL; Notch homolog 3; CADASIL;
Gene ID	4854
mRNA Refseq	NM_000435
Protein Refseq	NP_000426
MIM	600276

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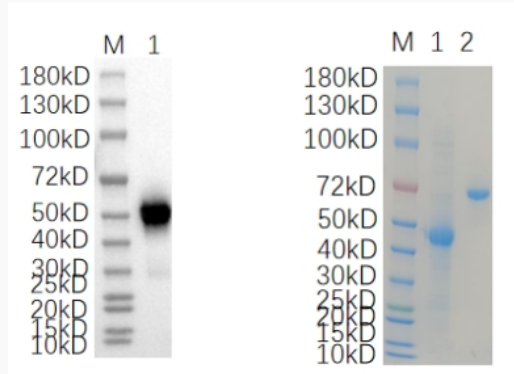
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UniProt ID

Q9UM47

SDS-PAGE



Reducing 4%-20% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal antibody) analysis profiles of purified NOTCH3. 1. NOTCH3: 1 μ g 2. BSA: 1 μ g

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