

Recombinant Human NOTCH1 Protein, His-tagged

Cat. No. NOTCH1-2498H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NOTCH1 Protein (Glu1949-Tyr2209) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Glu1949-Tyr2209
Description	This gene encodes a member of the NOTCH family of proteins. Members of this Type I transmembrane protein family share structural characteristics including an extracellular domain consisting of multiple epidermal growth factor-like (EGF) repeats, and an intracellular domain consisting of multiple different domain types. Notch signaling is an evolutionarily conserved intercellular signaling pathway that regulates interactions between physically adjacent cells through binding of Notch family receptors to their cognate ligands. The encoded preproprotein is proteolytically processed in the trans-Golgi network to generate two polypeptide chains that heterodimerize to form the mature cell-surface receptor. This receptor plays a role in the development of numerous cell and tissue types. Mutations in this gene are associated with aortic valve disease, Adams-Oliver syndrome, T-cell acute lymphoblastic leukemia, chronic lymphocytic leukemia, and head and neck squamous cell carcinoma.
Form	Freeze-dried powder

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Molecular Mass	Predicted Molecular Mass: 31.7 kDa Accurate Molecular Mass: 36 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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 centigrade 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 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	NOTCH1 notch receptor 1 [Homo sapiens (human)]
Official Symbol	NOTCH1
Synonyms	NOTCH1; notch receptor 1; hN1; AOS5; TAN1; AOVD1; neurogenic locus notch homolog protein 1 Notch homolog 1, translocation-associated notch 1

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translocation-associated notch protein TAN-1

Gene ID 4851**mRNA Refseq** NM_017617**Protein Refseq** NP_060087**MIM** 190198**UniProt ID** P46531 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA