

Recombinant Human NOTCH4 Protein (Met1-Phe637), His-tagged

Cat. No. NOTCH4-523H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NOTCH4 Protein (AAH63815.1) (Met1-Phe637) was produced by Baculovirus-Insect Cells expression system. This protein was expressed with a polyhistidine tag at the C-terminus.
Species	Human
Source	Insect Cells
ProteinLength	Met1-Phe637
Description	Notch4 belongs to a family of transmembrane receptors that play an important role in vascular development and maintenance. The NOTCH4 gene, located within the MHC region, is involved in cellular differentiation and has varying effects dependent on tissue type. NOTCH4 regulates signaling pathways associated with neuronal maturation, a process involved in the development and patterning of the central nervous system. The NOTCH4 gene is located at 6p21.3 and involved in the development and patterning of the central nervous systems. The NOTCH4 gene has also been identified as a possible susceptibility gene for schizophrenia (SCZ).
Predicted N Terminal	Arg 24
Form	Lyophilized from sterile 20 mM PB, 500 mM NaCl, pH 7.0, 10 % glycerol. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.

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Molecular Mass	The recombinant human NOTCH4 consists 625 amino acids and predicts a molecular mass of 66.1 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 90 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

GENE INFORMATION

Gene Name	NOTCH4 notch 4 [Homo sapiens]
Official Symbol	NOTCH4
Synonyms	NOTCH4; notch 4; Notch homolog 4; INT3; NOTCH3; FLJ16302; MGC74442;
Gene ID	4855

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mRNA Refseq	NM_004557
Protein Refseq	NP_004548
MIM	164951
UniProt ID	Q99466

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