Biorbyt Ltd.
5 Orwell Furlong, Cowley Road, Cambridge
CB4 0WY, United Kingdom
Email: info@biorbyt.com
Phone: +44 (0)1223 859 353 | Fax: +44 (0)1223 280 240

Biorbyt LLC.
369 Pine Street, Suite #103, San Francisco
California, 94104, United States
Email: info@biorbyt.com
Phone: +1 (415) 906 5211 | Fax: +1 (415) 651 8558

Product Datasheet

Mouse NOTCH1 Protein
orb653659

Description	NOTCH1 Interacts with DNER, DTX1, DTX2 and RBPJ/RBPSUH. Also interacts with MAML1, MAML2 and MAML3 which act as transcriptional coactivators for NOTCH1. The NOTCH1 intracellular domain interacts with SNW1; the interaction involves multimerized NOTCH1 NICD and is implicated in a formation of an intermediate preactivation complex which associates with DNA-bound CBF-1/RBPJ. The activated membrane-bound form interacts with AAK1 which promotes NOTCH1 stabilization. Functions as a receptor for membrane-bound ligands Jagged-1 (JAG1), Jagged-2 (JAG2) and Delta-1 (DLL1) to regulate cell-fate determination. Involved in the maturation of both CD4+ and CD8+ cells in the thymus. Important for follicular differentiation and possibly cell fate selection within the follicle. During cerebellar development, functions as a receptor for neuronal DNER and is involved in the differentiation of Bergmann glia.
Reactivity	Mouse
Conjugation	Unconjugated
Endotoxins	1.0 EU per ?g
Target	NOTCH1
Form/Appearance	Powder
Preservatives	PBS, pH7.4
Storage	-20?
Tag	C-10×His
Note	For research use only.
Protein Sequence	NP_032740.3
Purity	95%
MW	55.4 kDa
Source	Mouse NOTCH1, His Tag (orb653659) is expressed from human 293 cells (HEK293). It contains AA Ala 19 - Gln 526 (Accession # Q01705-1).
Biological Origin	Mouse
Expression Region	Ala 19 - Gln 526
NCBI	**NP_032740.3**
Expiration Date	6 months from date of receipt.
Application Notes	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 55.4 kDa. The protein migrates as 58-68 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.