Recombinant Rat Neurogenic differentiation factor 1 (Neurod1)

Product Code	CSB-EP731042RA-B
Abbreviation	Neurod1
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q64289
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	MTKSYSESGL MGEPQPQGPP SWTDECLSSQ DEEHEADKKE DELEAMNAEE DSLRNGGEEE DEDEDLEEEE EEEEEEDDQK PKRRGPKKKK MTKARLERFK LRRMKANARE RNRMHGLNAA LDNLRKVVPC YSKTQKLSKI ETLRLAKNYI WALSEILRSG KSPDLVSFVQ TLCKGLSQPT TNLVAGCLQL NPRTFLPEQN PDMPPHLPTA SASFPVHPYS YQSPGLPSPP YGTMDSSHVF HVKPPPHAYS AALEPFFESP LTDCTSPSFD GPLSPPLSIN GNFSFKHEPS TEFEKNYAFT MHYPAATLAG PQSHGSIFSS GAAAPRCEIP IDNIMSFDSH SHHERVMSAQ LNAIFHD
Source	E.coli
Target Names	Neurod1
Protein Names	Recommended name: Neurogenic differentiation factor 1 Short name= NeuroD1 Alternative name(s): Basic helix-loop-helix factor 1 Short name= BHF-1
Expression Region	1-357
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	This gene encodes a member of the NeuroD family of basic helix-loop-helix (bHLH) transcription factors. The protein forms heterodimers with other bHLH proteins and activates transcription of genes that contain a specific DNA sequence known as the E-box. It regulates expression of the insulin gene, and mutations in this gene result in type II diabetes mellitus.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final

	concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.