Recombinant Human Single-minded homolog 1 (SIM1)

Product Code	CSB-MP021325HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P81133
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MKEKSKNAAR TRREKENSEF YELAKLLPLP SAITSQLDKA SIIRLTTSYL KMRVVFPEGL GEAWGHSSRT SPLDNVGREL GSHLLQTLDG FIFVVAPDGK IMYISETASV HLGLSQVELT GNSIYEYIHP ADHDEMTAVL TAHQPYHSHF VQEYEIERSF FLRMKCVLAK RNAGLTCGGY KVIHCSGYLK IRQYSLDMSP FDGCYQNVGL VAVGHSLPPS AVTEIKLHSN MFMFRASLDM KLIFLDSRVA ELTGYEPQDL IEKTLYHHVH GCDTFHLRCA HHLLLVKGQV TTKYYRFLAK HGGWVWVQSY ATIVHNSRSS RPHCIVSVNY VLTDTEYKGL QLSLDQISAS KPAFSYTSSS TPTMTDNRKG AKSRLSSSKS KSRTSPYPQY SGFHTERSES DHDSQWGGSP LTDTASPQLL DPADRPGSQH DASCAYRQFS DRSSLCYGFA LDHSRLVEER HFHTQACEGG RCEAGRYFLG TPQAGREPWW GSRAALPLTK ASPESREAYE NSMPHIASVH RIHGRGHWDE DSVVSSPDPG SASESGDRYR TEQYQSSPHE PSKIETLIRA TQQMIKEEEN RLQLRKAPSD QLASINGAGK KHSLCFANYQ QPPPTGEVCH GSALANTSPC DHIQQREGKM LSPHENDYDN SPTALSRISS PNSDRISKSS LILAKDYLHS DISPHQTAGD HPTVSPNCFG SHRQYFDKHA YTLTGYALEH LYDSETIRNY SLGCNGSHFD VTSHLRMQPD PAQGHKGTSV IITNGS
Source	Mammalian cell
Target Names	SIM1
Protein Names	Recommended name: Single-minded homolog 1 Alternative name(s): Class E basic helix-loop-helix protein 14 Short name= bHLHe14
Expression Region	1-766
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	SIM1 and SIM2 genes are Drosophila single-minded (sim) gene homologs. SIM1 transcript was detected only in fetal kidney out of various adult and fetal tissues tested. Since the sim gene plays an important role in Drosophila development and has peak levels of expression during the period of neurogenesis,it was proposed that the human SIM gene is a candidate for involvement in certain dysmorphic features (particularly the facial and skull characteristics), abnormalities of brain development, and/or mental retardation

	of Down syndrome.
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.