Recombinant Human Myoblast determination protein 1 (MYOD1)

Product Code	CSB-BP015358HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P15172
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MELLSPPLRD VDLTAPDGSL CSFATTDDFY DDPCFDSPDL RFFEDLDPRL MHVGALLKPE EHSHFPAAVH PAPGAREDEH VRAPSGHHQA GRCLLWACKA CKRKTTNADR RKAATMRERR RLSKVNEAFE TLKRCTSSNP NQRLPKVEIL RNAIRYIEGL QALLRDQDAA PPGAAAAFYA PGPLPPGRGG EHYSGDSDAS SPRSNCSDGM MDYSGPPSGA RRRNCYEGAY YNEAPSEPRP GKSAAVSSLD CLSSIVERIS TESPAAPALL LADVPSESPP RRQEAAAPSE GESSGDPTQS PDAAPQCPAG ANPNPIYQVL
Source	Baculovirus
Target Names	MYOD1
Protein Names	Recommended name: Myoblast determination protein 1 Alternative name(s): Class C basic helix-loop-helix protein 1 Short name= bHLHc1 Myogenic factor 3 Short name= Myf-3
Expression Region	1-320
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 nuclear protein that belongs to the basic helix-loop-helix family of transcription factors and the myogenic factors subfamily. It regulates muscle cell differentiation by inducing cell cycle arrest, a prerequisite for myogenic initiation. The protein is also involved in muscle regeneration. It activates its own transcription which may stabilize commitment to myogenesis.
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.