

Recombinant Human SOX13 protein, Arginine-tagged

Cat. No. SOX13-138H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant human Sox13 protein fused with 11 arginine domain at C-terminal, which will efficiently deliver protein intracellularly, was expressed in E. coli.

Species Human

Source E.coli

Form 1.0 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.

AA Sequence

SMRSPIS AQLALDGVGT MVNCTIKSEE KKEPCHEAPQ GSATAAEPQP
 GDPARASQDS ADPQAPAQGN FRGSWDCSSP EGNGSPEPKR PGVSEAASGS
 QEKLDFNRNL KEVVPAIEKL LSSDWKERFL GRNSMEAKDV KGTQESLAEK
 ELQLLVMIHQ LSTLRDQLLT AHSEQKNMAA MLFEKQQQQM ELARQQQEIQI
 AKQQQQLIQQ QHKINLLQQQ IQQVNMPYVM IPAFPPSHQP LPVTPDSQLA
 LPIQPIPCKP VEYPLQLLHS PPAPVVKRPG AMATHHPLQE PSQPLNLTAK
 PKAPELPNTS SSPSLKMSSC VPRPPSHGGP TRDLQSSPPS LPLGFLGEGD
 AVTKAIQDAR QLLHSHSGAL DGSPNTPFRK DLISLDSSPA KERLEDGCVH
 PLEEAMLSCD MDGSRHFPES RNSSHIK RPM NAFMVWAKDE RRKILQAFPD
 MHNSSISKIL GSRWKSMTNQ EKQPYEEQA RLSRQHLEKY PDYKYKPRPK
 RTCIVEGKRL RVGEYKALMR TRRQDARQSY VIPPQAGQVQ MSSSDVLYPR
 AAGMPLAQPL VEHYVPRSLD PNMPVIVNTC SLREEGEGTD DRHSVADGEM
 YRYSEDEDSE GEEKSDGELV VLTDLEESGG GGSPGRRRRR RRRRRR

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Purity	>90% by SDS-PAGE
Applications	1. Protein transduction for human cell differentiation.2. Active recombinant protein, may be used for ELISA based DNA/Protein binding assay.3. As specific protein substrate for kinase assay.4. Immunogen for specific antibody production.
Storage	Keep at -20°C for long term storage. Product is stable at 4 °C for at least 7 days.

GENE INFORMATION

Gene Name	SOX13 SRY (sex determining region Y)-box 13 [Homo sapiens]
Official Symbol	SOX13
Synonyms	SOX13; ICA12; islet cell 12; MGC117216; Sox 13; SRY box 13; SRY related HMG box gene 13; type 1 diabetes autoantigen; SRY-box 13; islet cell antigen 12; Sox-13;
Gene ID	9580
mRNA Refseq	NM_005686
Protein Refseq	NP_005677
MIM	604748
UniProt ID	Q9UN79
Chromosome Location	1q32
Function	protein binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity;

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