

Single-minded homolog 2 (SIM2) Recombinant Protein | SIM2 recombinant protein

Recombinant Human Single-minded homolog 2 (SIM2)

CATALOG # AAA116766	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

Single-minded homolog 2 (SIM2); Recombinant Human Single-minded homolog 2 (SIM2); SIM2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-667aa; Full Length;
Sequence	MKEKSKNAAK TRREKENGEF YELAKLLPLP SAITSQLDKA SIIRLTTSYL KMRAVFPEGL GDAWGQPSRA GPLDGVAKEL GSHLLQTLTG FVFVVASDGK IMYISETASV HLGLSQVELT GNSIYEYIHP SDHDEMTAVL TAHQPLHHHL LQEYEIERSF FLRMKCVLAK RNAGLTCSGY KVIHCSGYLK IRQYMLDMSL YDSCYQIVGL VAVGQSLPPS AITEIKLYSN MFMFRASLDL KLIFLDSRVT EVTGYEPQDL IEKTLYHHVH GCDVFHLRYA HHHLLVKGQV TTKYYRLLSK RGGWVWVQSY ATVVHNSRSS RPHCIVSVNY VLTEIEYKEL QLSLEQVSTA KSQDSWRTAL STSQETRKLK KPKNTKMKTK LRTNPYPQQ YSSFQMDKLE CGQLGNWRAS PPASAAAPPE LQPHSESSDL LYTPSYSLPF SYHYGHFPLD SHVFSSKKPM LPAKFGQPQG SPCEVARFFL STLPASGECQ WHYANPLVPS SSSPAKNPPE PPANTARHSL VPSYEAPAAA VRRFGEDTAP PSFPSCGHYR EEPALGPAKA ARQAARDGAR LALARAAPEC CAPPTPEAPG APAQLPFVLL NYHRVLARRG PLGGAAPAAS GLACAPGGPE AATGALRLRH PSPAATSPPG APLPHYLGAS VIITNGR
Species	Human
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for SIM2 recombinant protein	SIM1 and SIM2 genes are Drosophila single-minded (sim) gene homologs. The Drosophila sim gene encodes a transcription factor that is a master regulator of fruit fly neurogenesis. SIM2 maps within the so-called Down syndrome chromosomal region. Based on the mapping position, its potential function as transcriptional repressor and similarity to Drosophila sim, it is proposed that SIM2 may contribute to some specific Down syndrome phenotypes
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4827004
NCBI GeneID	6493
NCBI Accession #	NP_005060.1
NCBI GenBank Nucleotide #	NM_005069.5
UniProt Accession #	Q14190 ; O60766 ; Q15470 ; Q15471 ; Q15472 ; Q15473 ; Q16532 ; Q2TBD8
Molecular Weight	63,523 Da
NCBI Official Full Name	single-minded homolog 2 long isoform

NCBI Official Synonym Full Names	single-minded family bHLH transcription factor 2
NCBI Official Symbol	SIM2
NCBI Official Synonym Symbols	SIM; bHLHe15; HMC13F06; HMC29C01
NCBI Protein Information	single-minded homolog 2
UniProt Protein Name	Single-minded homolog 2
UniProt Gene Name	SIM2
UniProt Synonym Gene Names	BHLHE15; bHLHe15

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/sim2-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/116766>