



# Recombinant Human DNA-binding protein inhibitor ID-1 (ID1)

<b>Product Code</b>	CSB-EP010966HU-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P41134
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MKVASGSTAT AAAGPSCALK AGKTASGAGE VVRCLSEQSV AISRCAGGAG ARLPALLDEQ QVNVLLYDMN GCYSRLKELV PTLPQNRKVS KVEILQHVID YIRDLQLELN SESEVGTPGG RGLPVRAPLS TLNGEISALT AEAACVPADD RILCR
<b>Source</b>	E.coli
<b>Target Names</b>	ID1
<b>Protein Names</b>	Recommended name: DNA-binding protein inhibitor ID-1 Alternative name(s): Class B basic helix-loop-helix protein 24 Short name= bHLHb24 Inhibitor of DNA binding 1
<b>Expression Region</b>	1-155
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	This protein is a helix-loop-helix (HLH) protein that can form heterodimers with members of the basic HLH family of transcription factors. The encoded protein has no DNA binding activity and therefore can inhibit the DNA binding and transcriptional activation ability of basic HLH proteins with which it interacts. This protein may play a role in cell growth, senescence, and differentiation. Two transcript variants encoding different isoforms have been found for this gene.
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.