

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

Catalog No: #AP70412

Package Size: #AP70412-1 20ug #AP70412-2 100ug #AP70412-3 1mg

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	Recombinant Human DNA-binding protein inhibitor ID-1(ID1)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-155aaSequence Info:Full Length
Other Names	Class B basic helix-loop-helix protein 24 ;bHLHb24Inhibitor of DNA binding 1Inhibitor of differentiation 1
Accession No.	P41134
Calculated MW	32.1 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	MKVASGSTATAAAGPSCALKAGKTASGAGEVVRCLSEQSVAISRCAGGAGARLPALLDEQQVNVLLYDMNG CYSRLKELVPTLPQNRKVKVEILQHVIDYIRDLQLELNSESEVGTGGGRGLPVRAPLSTLNGEISALTAEAAACV PADDRILCR
Formulation	Tris-based buffer50% glycerol
Storage	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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Transcriptional regulator (lacking a basic DNA binding domain) which negatively regulates the basic helix-loop-helix (bHLH) transcription factors by forming heterodimers and inhibiting their DNA binding and transcriptional activity. Implicated in regulating a variety of cellular processes, including cellular growth, senescence, differentiation, apoptosis, angiogenesis, and neoplastic transformation. Inhibits skeletal muscle and cardiac myocyte differentiation. Regulates the circadian clock by repressing the transcriptional activator activity of the CLOCK-ARNTL,BMAL1 heterodimer .

References

Nucleotide sequence of the cDNA encoding human helix-loop-helix Id-1 protein identification of functionally conserved residues common to Id proteins.Deed R.W., Jasiok M., Norton J.D.Biochim. Biophys. Acta 1219:160-162(1994)Research Topic:Cancer

Note: This product is for in vitro research use only and is not intended for use in humans or animals.