

Heart-and neural crest derivatives-expressed protein 2 (HAND2) Recombinant Protein | HAND2 recombinant protein

Recombinant Human Heart-and neural crest derivatives-expressed protein 2 (HAND2)

CATALOG # AAA113828	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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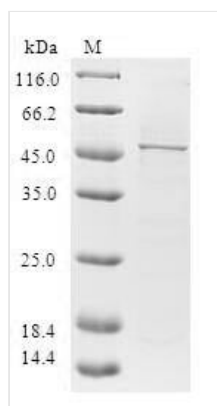
PRODUCT SYNONYMS

Heart-and neural crest derivatives-expressed protein 2 (HAND2); Recombinant Human Heart-and neural crest derivatives-expressed protein 2 (HAND2); Heart- and neural crest derivatives-expressed protein 2; Class A basic helix-loop-helix protein 26; bHLHa26; Deciduum; heart; autonomic nervous system and neural crest derivatives-expressed protein 2; dHAND; HAND2 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	1-180aa; Full Length of of Isoform 2
Sequence	MSLVGGFPHH PVVHHEGYPF AAAAAASRCS HEENPYFHGW LIGHPEMSPP DYSMALSYSP EYASGTANRK ERRRTQSINS AFAELRECIP NVPADTKLSK IKTLRLATSY IAYLMDLLAK DDQNGEAEAF KAEIKKTDVK EEKRKKELNE ILKSTVSSND KKTGRTGWP QHVVWALELKQ
Species	Homo sapiens (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.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for HAND2 recombinant protein	Essential for cardiac morphogenesis, particularly for the formation of the right ventricle and of the aortic arch arteries. Required for vascular development and regulation of angiogenesis, possibly through a VEGF signaling pathway. Plays also an important role in limb development, particularly in the establishment of anterior-posterior polarization, acting as an upstream regulator of sonic hedgehog (SHH) induction in the limb bud. Is involved in the development of branchial arches, which give rise to unique structures in the head and neck. Binds DNA on E-box consensus sequence 5'-CANNTG-3'
Product Categories/Family for HAND2 recombinant protein	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	12545384
NCBI GeneID	9464
NCBI Accession #	NP_068808.1
NCBI GenBank Nucleotide #	NM_021973.2
UniProt Accession #	P61296 ; O95300 ; O95301 ; P97833 ; B6ECG9
Molecular Weight	47.3 kDa
NCBI Official Full Name	heart- and neural crest derivatives-expressed protein 2
NCBI Official Synonym Full Names	heart and neural crest derivatives expressed 2
NCBI Official Symbol	HAND2
NCBI Official Synonym Symbols	Hed; dHand; DHAND2; Thing2; bHLHa26
NCBI Protein Information	heart- and neural crest derivatives-expressed protein 2; class A basic helix-loop-helix protein 26; basic helix-loop-helix transcription factor HAND2; deciduum, heart, autonomic nervous system and neural crest derivatives-expressed protein 2
UniProt Protein Name	Heart- and neural crest derivatives-expressed protein 2
UniProt Gene Name	HAND2
UniProt Synonym Gene Names	BHLHA26; DHAND; bHLHa26; dHAND
UniProt Entry Name	HAND2_HUMAN

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/hand2-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/113828>