

Recombinant Human HAND1 293 Cell Lysate

Cat. No. HAND1-5639HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for heart and neural crest derivatives expressed 1 (HAND1) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.
Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	HAND1 heart and neural crest derivatives expressed 1 [Homo sapiens]
Official Symbol	HAND1
Synonyms	HAND1; heart and neural crest derivatives expressed 1; heart- and neural crest derivatives-expressed protein 1; bHLHa27; eHand; Hxt; Thing1; class A basic helix-loop-helix protein 27; extraembryonic tissues, heart, autonomic nervous system and neural crest derivatives-expressed protein 1;
Gene ID	9421
mRNA Refseq	NM_004821
Protein Refseq	NP_004812
MIM	602406
UniProt ID	O96004
Chromosome Location	5q33
Pathway	Heart Development, organism-specific biosystem;
Function	bHLH transcription factor binding; enzyme binding; identical protein binding; contributes_to protein binding; protein heterodimerization activity; protein homodimerization activity; sequence-specific DNA binding; transcription coactivator

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activity; transcription factor binding; contributes_to transcription regulatory region
DNA binding;

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