

Recombinant Human HELLS

Cat. No. HELLS-31195TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human SMARCA6 with N-terminal proprietary tag. Predicted MW 64.39kDa.
Species	Human
Source	Wheat Germ
ProteinLength	348 amino acids
Description	This gene encodes a lymphoid-specific helicase. Other helicases function in processes involving DNA strand separation, including replication, repair, recombination, and transcription. This protein is thought to be involved with cellular proliferation and may play a role in leukemogenesis. Alternatively spliced transcript variants have been described, but their biological validity has not been determined.
Molecular Weight	64.390kDa inclusive of tags
Tissue specificity	Highly expressed in proliferative tissues such as adult thymus and testis, and expressed at lower levels in uterus, small intestine, colon, and peripheral blood mononuclear cells. Also expressed in neoplastic cell lines including those derived from myeloid
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MFGSSEKETIELSPTGRPKRRTRKSINYSKIDDFPNELEK LISQIQPEVDRERAVVEV NIPVESEVNLKLQNMMLLRKC CNHPYLIEYPIDPVTQEFKIDEELVTNSGKFLILDRM LPE LKKRGHKVLLFSQMTSMLDILMDYCHLRDFNFSRLDGSMS YSEREKNMHSFN TDPEVFIFLVSTRAGGLGINLTAADTVI IYDSDWNPQSDLQAQDRCHRIGQTKPVVV YRLVTANTIDQ KIVERAAAKRKLEKLIHKNHFKGGQSGLNLSKNFLDPKE LMELLKS RDYEREIKGSREKVISDKDLELLLDLRSIDLIDQM NASGPIKEKMGIFKILENSEDSSPE CLF
Sequence Similarities	Belongs to the SNF2/RAD54 helicase family. Contains 1 helicase ATP-binding domain. Contains 1 helicase C-terminal domain.

GENE INFORMATION

Gene Name	HELLS helicase, lymphoid-specific [Homo sapiens]
Official Symbol	HELLS
Synonyms	HELLS; helicase, lymphoid-specific; lymphoid-specific helicase; LSH; Nbla10143; PASG; proliferation associated SNF2 like protein; SMARCA6; SWI/SNF2 related; matrix associated; actin dependent regulator of chromatin; subfamily A; member 6;
Gene ID	3070
mRNA Refseq	NM_018063
Protein Refseq	NP_060533

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MIM	603946
Uniprot ID	Q9NRZ9
Chromosome Location	10q24.2
Pathway	Apoptosis, organism-specific biosystem;
Function	ATP binding; DNA binding; chromatin binding; helicase activity; hydrolase activity;

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