7-Dehydrocholesterol Reductase Recombinant Protein | DHCR7 recombinant protein

Recombinant 7-Dehydrocholesterol Reductase (DHCR7)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA145946	**E.coli**	**Homo sapiens (Human)**	**Western Blot, SDS-Page**

PRODUCT SYNONYMS

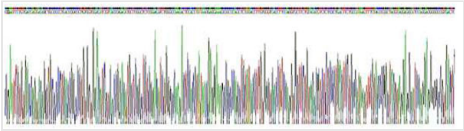
7-Dehydrocholesterol Reductase; Recombinant 7-Dehydrocholesterol Reductase (DHCR7); Smith-Lemli-Opitz Syndrome; Putative sterol reductase SR-2; Sterol Delta(7)-reductase; DHCR7 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Homo sapiens (Human)
Purity/Purification	> 95%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 0.01% skl, 5%Trehalose.
Concentration	Original Concentration: 150ug/mL (varies by lot)
Applicable Applications for DHCR7 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Cys61~Leu153
Tags	N-terminal His and GST Tag
Subcellular Location	Endoplasmic reticulum lumen
Traits	Freeze-dried powder
Predicted isoelectric point	7.9
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	**Storage:** Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. **Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES

SDS-PAGE



Gene Sequence
Gene Sequencing (extract

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            CDQYSCALTG PVVDIVTGHA RLSDIWAKTP PITRKAAQLY
TLWVTFQVLL YTSLPDFCHK FLPGYVGGIQ EGAVTPAGVV NKYQINGLQA
WLL
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Sequence

NCBI AND UNIPROT INFORMATION

NCBI GI #	255308875
NCBI GeneID	1717
NCBI Accession #	NP_001157289.1
NCBI GenBank Nucleotide #	NM_001163817.1
Molecular Weight	Predicted Molecular Mass: 40.2kDa Accurate Molecular Mass: 41kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	7-dehydrocholesterol reductase
NCBI Official Synonym Full Names	7-dehydrocholesterol reductase
NCBI Official Symbol	DHCR7
NCBI Official Synonym Symbols	SLOS
NCBI Protein Information	7-dehydrocholesterol reductase
UniProt Protein Name	7-dehydrocholesterol reductase
UniProt Gene Name	**DHCR7**
UniProt Synonym Gene Names	D7SR; 7-DHC reductase
UniProt Entry Name	DHCR7_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://www.aaabiotech.com/dhcr7-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/145946