

Recombinant Human DSE Protein, His-tagged

Cat. No. DSE-1387H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DSE Protein (Tyr23-His284) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Tyr23-His284
Description	The protein encoded by this gene is a tumor-rejection antigen. It is localized to the endoplasmic reticulum and functions to convert D-glucuronic acid to L-iduronic acid during the biosynthesis of dermatan sulfate. This antigen possesses tumor epitopes capable of inducing HLA-A24-restricted and tumor-specific cytotoxic T lymphocytes in cancer patients and may be useful for specific immunotherapy. Mutations in this gene cause inmusculocontractural Ehlers-Danlos syndrome. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 9, and a paralogous gene exists on chromosome 18.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 34.0 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	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 centigrade 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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	DSE dermatan sulfate epimerase [Homo sapiens (human)]
Official Symbol	DSE
Synonyms	DSE; dermatan sulfate epimerase; SART2, squamous cell carcinoma antigen recognized by T cells 2; dermatan-sulfate epimerase; DSEPI; DS epimerase; chondroitin-glucuronate 5-epimerase; squamous cell carcinoma antigen recognized by T cells 2; squamous cell carcinoma antigen recognized by T-cells 2; DSEP; SART2; SART-2;
Gene ID	29940
mRNA Refseq	NM_001080976
Protein Refseq	NP_001074445
MIM	605942

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UniProt ID

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