

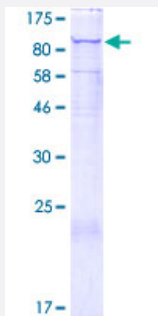
## Full-Length

# DSE (Human) Recombinant Protein (P01)

Catalog # H00029940-P01

Size 25 ug, 10 ug

## Applications



## Specification

### Product Description

Human DSE full-length ORF ( NP\_037484.1, 1 a.a. - 958 a.a.) recombinant protein with GST-tag at N-terminal.

### Sequence

MRTHTRGAPSVFFMYLLCFVSAYITDENPEVMIPFTNANYDSHPMLYFSRAEVAELQLRAASSHEHI  
AARLTEAVHTMLSSPLEYLPPWDPKDY SARWNEIFGNL GALAMFCVLYPENIEARDMAKD YME  
RMAAQPSWL VKDAPWDEVPLAHS LVGFATAYDFLYNLSKTQQEKFLEVIANASGYMYETS YRR  
GWGFQYLHNNHQPTNC MALLTGSLVLMNQGYLQEAYLWTKQVLTIMEKSLVLLREVTDGSLYEGVA  
YGSYTTRSLFQYMFLVQRHFNINHF GHPWLKQHFAFM YRTILPGFQRTVAIADSNYNWFYGPESQL  
VFLDKFVMRNGSGNWLADQIRNRVVEGPGTPSKGQRWCTLHTEFLWYDGSLKSVPPPDFGTP  
TLHYFEDWGVVTYGSALPAEINRSFLSFKSGKLGGRAIDVHRNKYKDWIKGWRNFNAGHEHPD  
QNSFTFAPNGVPFITEALYGPKYTFFNNVLMFSPAVSKSCFSPWVGQVTEDCSSKWSKYKHDLA  
ASCQGRVVAAEEKNGVVFIRGEGVGAYNPQLNLKNVQRNLILLHPQLLLLVDQIHLGEESPLETAA  
SFFHNVDVPFEETVVDGVHGAFIRQRDGLYKMYWMDDTGYSEKATFASVTYPRGYPYNGTNYVN  
VTMHLRSPITRAAYLFIGPSIDVQSFTVHGDSQQLDVFIATSKHAYATYLTWTGEATGQSAFAQVIAD  
RHKILFDRNSAIKSSIVPEVKDYAAIVEQNLQHFKPVFQLLEKQILSRVRNTASFRKTAERLLRFSDK  
RQTEEAIDRIFAISQQQQQSKSKKNRRAGKRYKFVDAVPDIFAQIEVNEKKIRQKAQILAQKELPID  
EDEEMKDLLDFADVTEYKHKNGGLIKGRFGQARMVTTTHSRAPSLSASYTRLFLILNIAIFFVMLAM  
QLTYFQRAQSLHGQRCLYAVLLIDSCILLWLYSSCSQSQC

### Host

Wheat Germ (in vitro)

### Theoretical MW (kDa)

136.2

**Interspecies Antigen Sequence**

Mouse (94); Rat (94)

**Preparation Method**[in vitro wheat germ expression system](#)**Purification**

Glutathione Sepharose 4 Fast Flow

**Quality Control Testing**

12.5% SDS-PAGE Stained with Coomassie Blue.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction**

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Note**

Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — DSE

**Entrez GeneID**[29940](#)**GeneBank Accession#**[NM\\_013352.1](#)**Protein Accession#**[NP\\_037484.1](#)**Gene Name**

DSE

**Gene Alias**

DSEPI, SART2

**Gene Description**

dermatan sulfate epimerase

**Omim ID**[605942](#)**Gene Ontology**[Hyperlink](#)

**Gene Summary**

The protein encoded by this gene is a tumor-rejection antigen. 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. This gene product is localized to the endoplasmic reticulum. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]

**Other Designations**

OTTHUMP00000017059|OTTHUMP00000040406|squamous cell carcinoma antigen recognized by T cells 2

**Pathway**

- [Chondroitin sulfate biosynthesis](#)