

Recombinant Human STS Protein, His-tagged

Cat. No. STS-530H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human STS(His235~Arg583) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	His235~Arg583
Description	This gene encodes a multi-pass membrane protein that is localized to the endoplasmic reticulum. It belongs to the sulfatase family and hydrolyzes several 3-beta-hydroxysteroid sulfates, which serve as metabolic precursors for estrogens, androgens, and cholesterol. Mutations in this gene are associated with X-linked ichthyosis (XLI). Alternatively spliced transcript variants resulting from the use of different promoters have been described for this gene (PMID:17601726).
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	43.6kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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If bio-activity of the protein is needed, please check active protein.

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.

Reconstitution

Reconstitute in PBS or others.

GENE INFORMATION

Gene Name

STS steroid sulfatase (microsomal), isozyme S [Homo sapiens]

Official Symbol

STS

Synonyms

STS; steroid sulfatase (microsomal), isozyme S; ARSC1, steroid sulfatase (microsomal), arylsulfatase C, isozyme S; steryl-sulfatase; ARSC; arylsulfatase C; estrone sulfatase; steryl-sulfate sulfohydrolase; ES; ASC; XLI; SSDD; ARSC1;

Gene ID

412

mRNA Refseq

NM_000351

Protein Refseq

NP_000342

MIM

300747

UniProt ID

P08842

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