

Recombinant Human STS, GST-tagged

Cat. No. STS-210H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human STS(1 a.a. - 583 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene catalyzes the conversion of sulfated steroid precursors to estrogens during pregnancy. The encoded protein is found in the endoplasmic reticulum, where it acts as a homodimer. Mutations in this gene are known to cause X-linked ichthyosis (XLI).
Molecular Mass	91.9 kDa
AA Sequence	MPLRKMKIPFLLLFFLWEAESAASRPNIILVMADDLGIGDPGCYGNKTIRTPNIDRLA SGGVKLTQHLAASPLC TPSRAAFMTGRYPVRSGMASWSRTGVFLFTASSGGLPTD EITFAKLLKDQGYSTALIGKWHLGMSCHSKTDFCHH PLHHGFNYFYGISLTNLRDCK PGEFSVFTTGFKRLVFLPLQIVGVTLLTLAALNCLGLLHVPLGVFFSLLFLAAL ILTLFL GFLHYFRPLNCFMMRNYEIIQQPMSYDNLQRLTVEAAQFIQRNTEPFLLVLSYLVH HTALFSSK DFA GKSQHG VYGD AVEEMDWSVGQILNLLDELRLANDTLIYFTSDQGA HVEEVSSKGEIHGGSNGIYKGGKANNWEGG IRVPGILRWPRVIQAGQKIDEPTSNM DIFPTVAKLAGAPLPEDRIIDGRDLMPLLEGKSQRS DHEFLFHYCNAYL NAVRWHPQ NSTSIWKAFFFTPNFNPVGSNGCFATHVCF CFGSYVTHHDPPLLFDISKDPRERNPL TPASEPRFYE ILKVMQEAADRHTQTLPEVPDQFSWNNFLWKPWLQLCCPSTGLSC

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QCDREKQDKRLSR

Applications ELISA; WB-Re; AP; Array

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

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

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

GENE INFORMATION

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

Official Symbol STS

Synonyms STS; steroid sulfatase (microsomal), isozyme S; ARSC1, steroid sulfatase (microsomal), arylsulfatase C, isozyme S; steryl-sulfatase; ARSC; arylsulfatase C; ARSC; ARSC1; Arylsulfatase C; Arylsulfatase C isozyme S; ASC; EC 3.1.6.2; ES; Estrone sulfatase; SSDD; Steroid sulfatase (microsomal); Steroid sulfatase (microsomal) arylsulfatase C isozyme S; Steroid sulfatase; Steryl sulfatase; Steryl sulfatase precursor; Steryl sulfate sulfohydrolase; estrone sulfatase; steryl-sulfate sulfohydrolase; ES; ASC; XLI; SSDD; ARSC1

Gene ID 412

mRNA Refseq NM_000351

Protein Refseq NP_000342

MIM 300747

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UniProt ID	P08842
Chromosome Location	Xp22.32
Pathway	Glycosphingolipid metabolism; Metabolism of lipids and lipoproteins; Post-translational protein modification
Function	metal ion binding; steryl-sulfatase activity; sulfuric ester hydrolase activity

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