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	MPLRKMKIPFLLLFFLWEAESHAASRPNIILVMADDLGIGDPGCYGNKTIRTPNIDRLA SGGVKLTQHLAASPLC TPSRAAFMTGRYPVRSGMASWSRTGVFLFTASSGGLPTD EITFAKLLKDQGYSTALIGKWHLGMSCHSKTDFCHH PLHHGFNYFYGISLTNLRDCK PGEGSVFTTGFKRLVFLPLQIVGVTLLTLAALNCLGLLHVPLGVFFSLLFLAAL ILTLFL GFLHYFRPLNCFMMRNYEIIQQPMSYDNLTQRLTVEAAQFIQRNTETPFLLVLSYLHV HTALFSSKDFA GKSQHGVYGDAVEEMDWSVGQILNLLDELRLANDTLIYFTSDQGA HVEEVSSKGEIHGGSNGIYKGGKANNWEGG IRVPGILRWPRVIQAGQKIDEPTSNM DIFPTVAKLAGAPLPEDRIIDGRDLMPLLEGKSQRSDHEFLFHYCNAYL NAVRWHPQ NSTSIWKAFFFTPNFNPVGSNGCFATHVCFCFGSYVTHHDPPLLFDISKDPRERNPL TPASEPRFYE ILKVMQEAADRHTQTLPEVPDQFSWNNFLWKPWLQLCCPSTGLSC

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA