

Product datasheet for PH310431

Steroid sulfatase (STS) (NM_000351) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	STS MS Standard C13 and N15-labeled recombinant protein (NP_000342)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210431
Predicted MW:	65.5 kDa
Protein Sequence:	>RC210431 protein sequence Red=Cloning site Green=Tags(s)

MPLRKMKIPFLLFFLWEAESHASRPNIILVMADDLGI GPGCYGNKTIRTPNIDRLASGGVKLTQH
LAASPLCTPSRAAFMTGRYPVRSGMASWSRTGVFLFTASSGGLPTDEITFAKLLKDQGYSTALIGKWHLGMS
CHSKTDFCHHPLHHGFNYFYGISLTNLRDCKPGEFSVFTTGFKRLVFLPLQIVGVTLTLLAALNCLGLLH
VPLGVFFSLLFLAALILTLFLGFLHYFRPLNCFMMRNYEIIQQPMSYDNL TQRLTVEAAQFIQRNTETPF
LLVL SYLHVHTALFSSKDFAGKSQHGVD AVEEMDWSVGQILNLLDELRLANDTLIYFTSDQGAHVVEEV
SSKGEIHGGSNGIYKGGKANNWEGGIRVPGILRWPRVIQAGQKIDEPTSNMDIFPTVAKLAGAPLPEDRI
IDGRDLMPLLEGKSQRSDEFLFHYCNAYLNAVRWHPQNSTSIWKAFFFTPNFNPVGSNGCFATHVCFCF
GSYVTHHDPPLLFDI SKDPRERNPLTPASEPRFYEILKVMQEAADRHTQTLPEVPDQFSWNNFLWKPWLQ
LCCPSTGLSCQCDREKQDKRLSR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000342
RefSeq Size:	6377
RefSeq ORF:	1749



[View online »](#)

Synonyms: ARSC; ARSC1; ASC; ES; SSDD; XLI

Locus ID: 412

UniProt ID: [P08842](#)

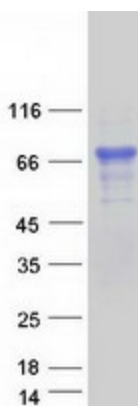
Cytogenetics: Xp22.31

Summary: 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). [provided by RefSeq, Mar 2016]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Androgen and estrogen metabolism

Product images:



Coomassie blue staining of purified STS protein (Cat# [TP310431]). The protein was produced from HEK293T cells transfected with STS cDNA clone (Cat# [RC210431]) using MegaTran 2.0 (Cat# [TT210002]).