

Product datasheet for TP310431L

Steroid sulfatase (STS) (NM_000351) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human steroid sulfatase (microsomal), isozyme S (STS), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210431 protein sequence Red=Cloning site Green=Tags(s)

MPLRKMKIPFLLLFFLWEAESHAASRPNIILVMADDLIGDPCYGNKTIRTPNIDRLASGGVKLQHLA
ASPLCTPSRAAFMTGRYPVRSGLMASWSRTGVFLFTASSGGLPTDEITFAKLLKDQGYSTALIGKWHLGMS
CHSKTDFCHHPLHHGFNYFYGISLTNLRDCKPGEFSVFTTGFKRLVFLPLQIVGVTLLTLAALNCLGLLH
VPLGVFFSLLFLAALILTLFLGFLHYFRPLNCFMNRNYEIIQQPMSYDNLQRLTVEAAQFIQRNTETPF
LLVLSYLHVHTALFSSKDFAGKSQHGVYGDAVEEMDWSVGQILNLLDELRLANDTLIYFTSDQGAHVEEV
SSKGEIHGGSNGIYKGGKANNWEGGIRVPGILRWPRVIQAGQKIDEPTSNMDFPTVAKLAGAPLPEDRI
IDGRDLMPLLEGKSQRSDFEFLFHYCNAYLNAVRWHPQNSTSIWKAFFFTPNFNPVGSNGCFATHVCFCF
GSYVTHDPPLLFDISKDPRERNPLTPASEPRFYEILKVMQEAAADRHTQTLPEVPDQFSWNNFLWKPWLQ
LCCPSTGLSCQCDREKQDKRLSR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

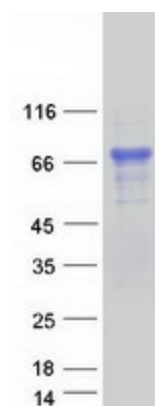
Tag:	C-Myc/DDK
Predicted MW:	62.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_000342
Locus ID:	412
UniProt ID:	P08842
RefSeq Size:	6377
Cytogenetics:	Xp22.31
RefSeq ORF:	1749
Synonyms:	ARSC; ARSC1; ASC; ES; SSDD; XLI
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]).