

Product datasheet

Recombinant Human SULT1B1 protein (His tag)
 ab221408

1 Image

Description

Product name	Recombinant Human SULT1B1 protein (His tag)	
Purity	> 95 % SDS-PAGE.	
Endotoxin level	< 1.000 Eu/µg	
Expression system	Escherichia coli	
Accession	O43704	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	LSPKDILRKDLKLVHGYPMTCASFASNWEKIEQFHSRPD DIVIATYPKSGT TWVSEIIDMILNDGDIEKCKRGFITEKVPMLEMTLPGLRT SGIEQLEKNP SPRIVKTHLPTDLLPKSFWENNCKMMLARNAKDVSVS YYHFDLMNNLQP FPGTWEEYLEKFLTGKVAYGSWFTHVKNWWKRKEEH PILFLYYEDMKENP KEEIKKIIRFLEKLNDEILDRIIHHTSFEVMKDNPLVNYT HLPTTVMDH SKSPFMRKGTAGDWKNYFTVAQNEKFDAYETEMSKT ALQFRTEI	
Predicted molecular weight	36 kDa including tags	
Amino acids	2 to 296	
Tags	His tag N-Terminus	
Additional sequence information	AAH10895.	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab221408** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications SDS-PAGE

Form Lyophilised

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.50

Constituents: 0.87% Sodium chloride, 5% Trehalose, 0.61% Tris

Lyophilized from 0.22 µm filtered solution.

Reconstitution It is recommended to reconstitute the lyophilized product in sterile deionized water to a final concentration of 1 mg/ml. Solubilize for 30 to 60 minutes at room temperature with occasional gentle mixing. Carrier protein (0.1% HSA or BSA) is strongly recommended for further dilution and long term storage.

General Info

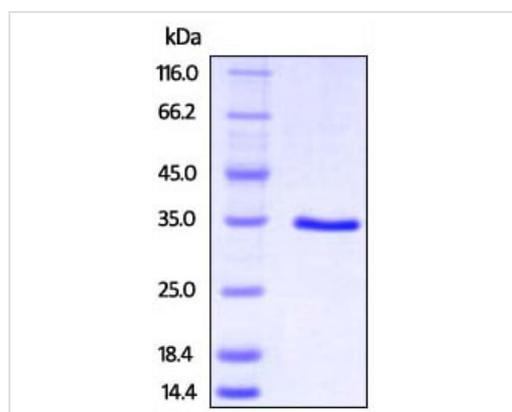
Function Catalyzes the sulfate conjugation of many hormones, neurotransmitters, drugs and xenobiotic compounds. Sulfonation increases the water solubility of most compounds, and therefore their renal excretion, but it can also result in bioactivation to form active metabolites. Sulfates dopamine, small phenols such as 1-naphthol and p-nitrophenol and thyroid hormones, including 3,3'-diiodothyronine, triiodothyronine, reverse triiodothyronine and thyroxine.

Tissue specificity Highly expressed in the liver, peripheral blood leukocytes, colon (mucosal lining), small intestine (jejunum) and spleen. A lesser expression was observed in the lung, placenta and thymus.

Sequence similarities Belongs to the sulfotransferase 1 family.

Cellular localization Cytoplasm.

Images



SDS-PAGE analysis of DTT-reduced ab221408 stained overnight with Coomassie Blue.

DTT-reduced protein migrates as 35.8 kDa in SDS-PAGE.

SDS-PAGE - Recombinant Human SULT1B1 protein
(His tag) (ab221408)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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