

Recombinant Human Phosphoserine Aminotransferase protein ab116152

1 图像

描述

产品名称	重组人Phosphoserine Aminotransferase蛋白		
纯度	> 90 % SDS-PAGE. ab116152 was purified using conventional chromatography.		
表达系统	Escherichia coli		
Accession	<u>Q9Y617</u>		
蛋白长度	Full length protein		
无动物成分	No		
性质	Recombinant		
种属	Human		
序列	MGSSHHHHHH	SSGLVPRGSH	MGSHMDAPRQ VVNFGPGPAK LPHSVLLEIQ KELLDYKGVG ISVLEMSHRS SDFAKIINNT ENLVRELLAV PDNYKVIPLQ GGGCGQFSAV PLNLIGLKAG RCADYVVTGA WSAKAAEEAK KFGTINIVHP KLGSYTKIPD PSTWNLNPDA SYVYYCANET VHGVEFDFIP DVKGAVLVCD MSSNFLSKPV DVSKFGVIFA GAQKNVGSAG VTVVIVRDDL LGFALRECPS VLEYKVQAGN SSLYNTPPCF SIYVMGLVLE WIKNNGGAAA MEKLSSIKSQ TIYEIIDNSQ GFYVCPVEPQ NRSKMNIPIR IGNAKGDDAL EKRFDKALE LNMLSLKGHR SVGGIRASLY NAVTIEDVQK LAAFMKKFLE MHQL
预测分子量	43 kDa including tags		
氨基酸	1 to 370		
标签	His tag N-Terminus		

技术指标

Our **Abpromise guarantee** covers the use of **ab116152** in the following tested applications.

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

应用 SDS-PAGE

质谱法	Mass Spectrometry
形式	MALDI-TOF Liquid
制备和贮存	
稳定性和存储	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.02% DTT, 0.32% Tris HCl, 20% Glycerol
常规信息	
功能	Catalyzes the reversible conversion of 3-phosphohydroxypyruvate to phosphoserine and of 3-hydroxy-2-oxo-4-phosphonooxybutanoate to phosphohydroxythreonine.
组织特异性	Expressed at high levels in the brain, liver, kidney and pancreas, and very weakly expressed in the thymus, prostate, testis and colon.
通路	Amino-acid biosynthesis; L-serine biosynthesis; L-serine from 3-phospho-D-glycerate: step 2/3. Cofactor biosynthesis; pyridoxine 5'-phosphate biosynthesis; pyridoxine 5'-phosphate from D-erythrose 4-phosphate: step 3/5.
疾病相关	Defects in PSAT1 are the cause of phosphoserine aminotransferase deficiency (PSATD) [MIM:610992]. PSATD is characterized biochemically by low plasma and cerebrospinal fluid concentrations of serine and glycine and clinically by intractable seizures, acquired microcephaly, hypertonia, and psychomotor retardation.
序列相似性	Belongs to the class-V pyridoxal-phosphate-dependent aminotransferase family. SerC subfamily.

图片



15% SDS-PAGE image showing 3ug ab116152

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