

Product datasheet

Recombinant Human Glutathione Synthetase protein (BSA and azide free) ab172161

1 Image

Description

Product name	Recombinant Human Glutathione Synthetase protein (BSA and azide free)	
Purity	> 95 % SDS-PAGE.	
Endotoxin level	< 1.000 Eu/μg	
Expression system	Escherichia coli	
Accession	P48637	
Protein length	Full length protein	
Animal free	No	
Carrier free	Yes	
Nature	Recombinant	
Species	Human	
Sequence	<p>MATNWGSLQDKQQLLEELARQAVDRALAEVLLRTSQE PTSSEVVSYPF TLFPSLVPSALLEQAYAVQMDFNLLVDAVSQNAAFLEQTL SSTIKQDDFT ARLFDIHKQVLKEGIAQTVFLGLNRSDYMFQRSADGSPAL KQIEINTISA SFGGLASRTPAVHRHVLVLSKTKEAGKILSNPNSKGLAL GIAKAWELYG SPNALVLLIAQEKERNIFDQRAIENELLARNIHVIRRTFEDIS EKGSLDQ DRRLFVDGQEIAVVYFRDGYMPRQYSLQNWEARLLERS HAAKCPDIATQ LAGTKKVQQELSRPGMLEMLLPQPEAVARLRATFAGLY SLDVGEEGDQA IAEALAAPSRFVLKPQREGGNNLYGEEMVQALKQLKDS EERASYLMEK IEPEPFENCLLRPGSPARVVQCISELGIFGVYVRQEKTLMV NKHVGHLLR TKAIEHADGGVAAGVAVLDPYPVLEHHHHHH</p>	
Predicted molecular weight	54 kDa including tags	

Amino acids	2 to 474
Tags	His tag C-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab172161** 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 Liquid

Preparation and Storage

Stability and Storage Shipped on Dry Ice. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
pH: 7.50
Constituents: 0.32% Tris HCl, 1.17% Sodium chloride

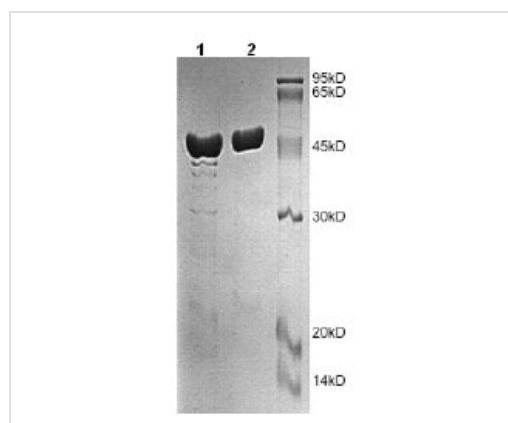
General Info

Pathway Sulfur metabolism; glutathione biosynthesis; glutathione from L-cysteine and L-glutamate: step 2/2.

Involvement in disease Defects in GSS are the cause of glutathione synthetase deficiency (GSS deficiency) [MIM:266130]; also known as 5-oxoprolinuria or pyroglutamic aciduria. It is a severe form characterized by an increased rate of hemolysis and defective function of the central nervous system.
Defects in GSS are the cause of glutathione synthetase deficiency of erythrocytes (GLUSYNDE) [MIM:231900]. Glutathione synthetase deficiency of erythrocytes is a mild form causing hemolytic anemia.

Sequence similarities Belongs to the eukaryotic GSH synthase family.

Images



SDS-PAGE analysis of ab172161.

Lane 1: Reduced

Lane 2: Non-Reduced

SDS-PAGE - Recombinant Human Glutathione Synthetase protein (BSA and azide free) (ab172161)

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

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