

Product datasheet

Recombinant human GSTA4 protein ab206797

1 Image

Description

Product name	Recombinant human GSTA4 protein	
Biological activity	Specific activity is > 4,000 pmol/min/ug, and is defined as the amount of enzyme that conjugate 1.0 u mole of 1-chloro-2,4-dinitrobenzene (CDNB) with reduced glutathione per minute at pH 6.5 at 25 degC.	
Purity	> 95 % SDS-PAGE. ab206797 was expressed in E.coli and purified by using conventional chromatography techniques.	
Expression system	Escherichia coli	
Accession	O15217	
Protein length	Full length protein	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	<pre> MGSSHHHHHHSSGLVPRGSHMGSHMAARPKLHYPN GRGRMESVRWVLA AA GVEFDEEFLETKEQLYKLQDGNHLLFQQVPMVEIDGM KLVQTRSILHYIA DKHNLFGKNLKERTLIDMYVEGTLDLLELLIMHPFLKPD DQQKEVVNMAQ KAIIRYFPVFEKILRGHGQSFLVGNQLSLADVILLQTLAL EEKIPNILS AFPFLQEYTVKLSNIPTIKRFLEPGSKKKPPPDEIVRTV YNIFRP </pre>	
Predicted molecular weight	28 kDa including tags	
Amino acids	1 to 222	
Tags	His tag N-Terminus	
Additional sequence information	NP_001503.	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab206797** in the following tested applications.

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

Applications	Functional Studies SDS-PAGE Mass Spectrometry
Mass spectrometry	MALDI-TOF
Form	Liquid

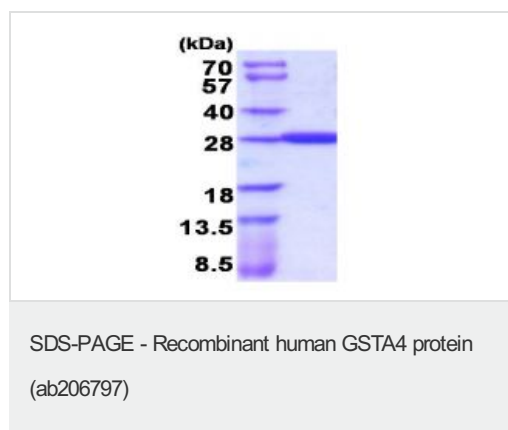
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8 Constituents: 0.32% Tris HCl, 0.03% DTT, 20% Glycerol, 0.58% Sodium chloride This product is an active protein and may elicit a biological response in vivo, handle with caution.
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General Info

Function	Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. This isozyme has a high catalytic efficiency with 4-hydroxyalkenals such as 4-hydroxynonenal (4-HNE).
Tissue specificity	Expressed at a high level in brain, placenta, and skeletal muscle and much lower in lung and liver.
Sequence similarities	Belongs to the GST superfamily. Alpha family. Contains 1 GST C-terminal domain. Contains 1 GST N-terminal domain.
Cellular localization	Cytoplasm.

Images



15% SDS-PAGE analysis of ab206797 (3 µg).

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

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