

Recombinant human GSTM5 protein ab206801

1 Image

Description

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| Product name | Recombinant human GSTM5 protein |
| Biological activity | Specific activity is > 90,000 pmol/min/μg, 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. ab207801 was expressed in E.coli and purified by using conventional chromatography techniques |
| Expression system | Escherichia coli |
| Accession | P46439 |
| Protein length | Full length protein |
| Animal free | No |
| Nature | Recombinant |
| Species | Human |
| Sequence | MGSSHHHHHHSSGLVPRGSHMGSHMPMTLGWDIRGLA HAIRLLLEYTDS SYVEKKYTLGDAPDYDRSQWLNEKFKLGDFPNLPYLIDG AHKITQSNAI LRYARKHNLCGETEEEEKIRVDILENQVMDNHELVRLCYD PDFEKLKPK YLEELPEKLLKLYSEFLGKRPWFAGDKITFVDLAYDVLDM KRIFEPKCLD AFLNLKDFISRFEGGLKKISAYMKSSQFLRGLLFGKSATWNS K |
| Predicted molecular weight | 28 kDa including tags |
| Amino acids | 1 to 218 |
| Tags | His tag N-Terminus |
| Additional sequence information | NP_000842. |

Specifications

Our **Abpromise guarantee** covers the use of **ab206801** in the following tested applications.

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

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

Preparation and Storage

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| 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: 8.00 |
| | Constituents: 0.32% Tris HCl, 0.02% DTT, 10% Glycerol (glycerin, glycerine), 0.58% Sodium chloride |
| | This product is an active protein and may elicit a biological response in vivo, handle with caution. |

General Info

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|------------------------------|--|
| Function | Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic electrophiles. |
| Sequence similarities | Belongs to the GST superfamily. Mu family. |
| | Contains 1 GST C-terminal domain. |
| | Contains 1 GST N-terminal domain. |
| Cellular localization | Cytoplasm. |

Images



15% SDS-PAGE analysis of ab206801 (3 µg).

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

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