abcam

Product datasheet

Recombinant human GSTM5 protein ab206801

1 Image

Description

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 MGSSHHHHHHSSGLVPRGSHMGSHMPMTLGYWDIRGLA

HAIRLLLEYTDS

SYVEKKYTLGDAPDYDRSQWLNEKFKLGLDFPNLPYLIDG

AHKITQSNAI

LRYARKHNLCGETEEEKIRVDILENQVMDNHMELVRLCYD

PDFEKLKPK

YLEELPEKLKLYSEFLGKRPWFAGDKITFVDFLAYDVLDM

KRIFEPKCLD

AFLNLKDFISRFEGLKKISAYMKSSQFLRGLLFGKSATWNS

Κ

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.

1

Applications Functional Studies

Mass Spectrometry

SDS-PAGE

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: 8.00

Constituents: 0.32% Tris HCI, 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

Function Conjugation of reduced glutathione to a wide number of exogenous and endogenous hydrophobic

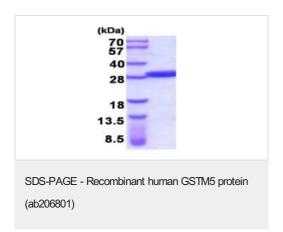
electrophiles.

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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