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GSTA4, human recombinant protein
Glutathione S-transferase alpha 4, GSTA4-4, GTA4
Catalog # PBV11359r

Specification

GSTA4, human recombinant protein - Product info

Primary Accession	O15217
Concentration	1
Calculated MW	28.3 kDa (246 aa, 1-222 aa + His Tag) KDa

GSTA4, human recombinant protein - Additional Info

Gene ID	2941
Gene Symbol	GSTA4

Other Names
Glutathione S-transferase alpha 4, GSTA4-4, GTA4

Gene Source	Human
Source	E.coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	Yes
Results	Specific activity > 0.9 units/mg
Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMAARPK LHYPNGRGRM ESVRWVLAAA GVEFDEEFLE TKEQLYKLQD GNHLLFQQVP MVEIDGMKLV QTRSILHYIA DKHNLFGKNL KERTLIDMYV EGTLDLLELL IMHPFLKPDD QQKEVVNMAQ KAIIRYFPVF EKILRGHGQS FLVGNQLSLA DVILLQTILA LEEKIPNILS AFPFLQEYTV KLSNIPTIKR FLEPGSKKKP PPDEIYVRTV YNIFRP

Target/Specificity
GSTA4

Format
Liquid

Storage
-20°C; 1 mg/ml solution 20 mM Tris-HCl buffer, pH 8.0, 20% glycerol, 2 mM DTT and 100 mM NaCl.

GSTA4, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

GSTA4, human recombinant protein - Images

GSTA4, human recombinant protein - Background

GSTA4, also known as glutathione S-transferase A4, belongs to the GST superfamily. This enzyme is involved in cellular defense against toxic, carcinogenic, and pharmacologically active electrophilic compounds. GSTA4 shows very high activity with reactive carbonyl compounds such as alk-2-enals. GSTA4 is highly effective in catalyzing the conjugate addition of reduced glutathione to 4-hydroxynonenal, an important product of peroxidative degradation of arachidonic acid and a commonly used biomarker for oxidative damage in tissue. This enzyme is expressed at a high level in brain, placenta, and skeletal muscle and much lower in lung and liver. Recombinant human GSTA4 protein, fused to His-tag at N-terminus, was expressed in E.Coli and purified by using conventional chromatography techniques.

GSTA4, human recombinant protein - References

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