

## Product datasheet for **TP727313**

### Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Glutathione S-transferase P/GSTP1
Species:	Human
Expression cDNA Clone or AA Sequence:	Met1-Glu210
Buffer:	Supplied as a 0.2 um filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 8.0.
Note:	Recombinant Human Glutathione S-Transferase pi 1 is produced by our E.coli expression system and the target gene encoding Met1-Glu210 is expressed.
Storage:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Stability:	12 months from date of despatch
Synonyms:	Glutathione S-transferase P;GSTP1;GST class-pi;GSTP1-1;FAEES3;GST3
Summary:	Glutathione S-transferase P (GSTP1) is an enzyme that contains 1 GST C-terminal domain, 1 GST N-terminal domain. GSTP1 belongs to the GST superfamily, the GSTs are a family of enzymes that play an important role in detoxification by catalyzing the conjugation of many hydrophobic and electrophilic compounds with reduced glutathione. Based on their biochemical, immunologic, and structural properties, the soluble GSTs are categorized into 4 main classes: alpha, mu, pi, and theta. The glutathione S-transferase pi gene (GSTP1) is a polymorphic gene encoding active, functionally different GSTP1 variant proteins. Besides, it regulates negatively CDK5 activity via p25/p35 translocation to prevent neurodegeneration. It thought to function in xenobiotic metabolism and play a role in susceptibility to cancer, and other diseases.



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