

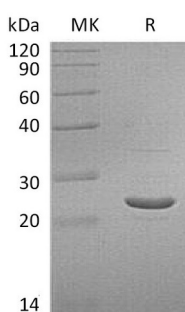
**Product Name: Recombinant Human GSTP1**  
**Catalog #: PEH0740**



## Summary

<b>Name</b>	Glutathione S-transferase P/GSTP1/FAEES3/GST3
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	Recombinant Human Glutathione S-Transferase Pi 1 is produced by our E.coli expression system and the target gene encoding Met1-Gln210 is expressed.
<b>Accession #</b>	AAH10915.1
<b>Host</b>	E.coli
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	23.5 KDa
<b>Formulation</b>	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 10% Glycerol, pH 8.0.
<b>Shipping</b>	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Reconstitution</b>	

## SDS-PAGE image



## Background

<b>Alternative Names</b>	Glutathione S-transferase P; GSTP1; GST class-pi; GSTP1-1; FAEES3; GST3
<b>Background</b>	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

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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.

### **Note**

For Research Use Only , Not for Diagnostic Use.