

GOT1, human recombinant protein**Glutamic-oxaloacetic transaminase 1, Aspartate aminotransferase 1, Transaminase A, GIG18****Catalog # PBV11367r****Specification**

GOT1, human recombinant protein - Product info

Primary Accession	P17174
Concentration	0.5
Calculated MW	48.4 kDa (433 aa, 1-413 aa + His Tag) KDa

GOT1, human recombinant protein - Additional Info

Gene ID	2805
Gene Symbol	GOT1
Other Names	
Glutamic-oxaloacetic transaminase 1, Aspartate aminotransferase 1, Transaminase A, GIG18	
Gene Source	Human
Source	E.coli
Assay&Purity	SDS-PAGE; ≥95%
Assay2&Purity2	N/A;
Recombinant	Yes
Results	Specific activity is > 13 unit/mg
Sequence	MGSSHHHHHH SGLVPRGSH MAPPSVFAEV PQAQPVLVFK LTADFREDPD PRKVN LGVGA YRTDDCHPWV LPVVKKVEQK IANDNSLNHE YLPILGLAEF RSCASRLALG DDSPALKEKR VGGVQSLGGT GALRIGADFL ARWYNGTNNK NTPVYVSSPT WENHNAVFS A AGFKDIRSYR YWDAEKRG LD LQGFLNDLEN APEFSIVVLH ACAHNPTGID PTPEQWKQIA SVMKHRFLFP FFDSAYQGFA SGNLERDAWA IRYFVSEGFE FFCAQSFSKN FGLYNERVGN LTVVGKEPES ILQVLSQMEK IVRITWSNPP AQGARIVAST LSNPELFEEW TGNVKT MADR ILTMRSELRA RLEALKTPGT WNHITDQIGM FSFTGLNPKQ VEYLVNEKHI YLLPSGRINV SGLTTKNLDY VATSIHEAVT KIQ

Target/Specificity

GOT1

Format

Liquid

Storage

-20°C; 0.5 mg/ml solution 20 mM Tris-HCl buffer (pH 8.0), 20% glycerol, 100 mM NaCl and 1 mM DTT.

GOT1, 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 Cytometry](#)
- [Cell Culture](#)

GOT1, human recombinant protein - Images

GOT1, human recombinant protein - Background

Glutamic-oxaloacetic transaminase (GOT) is a pyridoxal phosphate-dependent enzyme which exists in cytoplasmic and mitochondrial forms, GOT1 and GOT2, respectively. GOT plays a role in amino acid metabolism and the urea and tricarboxylic acid cycles. The two enzymes are homodimeric and show close homology. Recombinant human GOT1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

GOT1, human recombinant protein - References

Bousquet-Lemerrier B., et al. Biochemistry 29:5293-5299(1990).
Wang C.Y., et al. Submitted (JUL-1998) to the EMBL/GenBank/DDBJ databases.
Yu W., et al. Submitted (MAR-1998) to the EMBL/GenBank/DDBJ databases.
Ota T., et al. Nat. Genet. 36:40-45(2004).
Deloukas P., et al. Nature 429:375-381(2004).