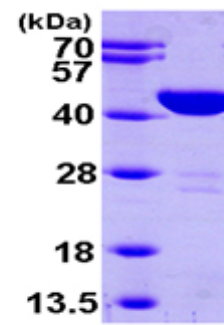


AR09537PU-L**Human GOT1 (1-413, His-tag) - Purified**

Alternate names:	Aspartate aminotransferase, Glutamate oxaloacetate transaminase 1, Transaminase A
Quantity:	0.5 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
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.
Uniprot ID:	P17174
NCBI:	NP_002070
GeneID:	2805
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% by SDS - PAGE Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 2mM DTT, 100mM NaCl
Description:	Recombinant human GOT1, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography. AA Sequence: <u>MGSSHHHHHH</u> SSGLVPRGSH MAPPVFAEV PQAQPVLVFK LTADFREDPD PRKVNLGVGA YRTDDCHPWV LPVVKKVEQK IANDNSLNHE YLPILGLAEF RSCASRLALG DDSPALKEKR VGGVQSLGGT GALRIGADFL ARWYNGTNNK NTPVYVSSPT WENHNAVFS AAGFKDIRSYR YWD A EKRGLD LQGFLNDLEN APEFSIVVLH ACAHNPTGID PTPEQWKQIA SVMKHRFLFP FFDSAYQGFA SGNLERDAWA IRYFVSEGFE FFCAQSFSKN FGLYNERVGN LTVVGKEPES ILQVLSQMEK IVRITWSNPP AQGARIVAST LSNPELFEEW TGNVKT MADR I LTMRSELRA RLEALKTPGT WN HITDQIGM FSFTGLNPKQ VEYLVNEKHI YLLPSGRIN V SGLTTKNLDY VATSIHEAVT KIQ Molecular weight: 48.4 kDa (433aa) confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Totan A., et al. (2006) Clin Chem Lab Med. 44(5):612-5.

Pictures:

Recombinant human GOT1, 1-413aa, His-tagged



15% SDS-PAGE (3ug)