

Glutamic-Oxaloacetic Transaminase 1 Human Recombinant, Active

Item Number	rAP-1908
Synonyms	EC 2.6.1.1, Aspartate aminotransferase 1, Transaminase A, GIG18.
Description	GOT1 Human Recombinant E.coli produced in E.Coli is a single, non-glycosylated polypeptide chain containing 433 amino acids (1-413 a.a.) and having a molecular mass of 48.4 kDa. The GOT1 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P17174
Amino Acid Sequence	MGSSHHHHHH SSSLVPRGSH MAPPSVFAEV PQAQPVLVFK LTADFREDPD PRKVN LGVGA YRTDDCHPWV LPVVKKVEQK IANDNSLNHE YLPILGLAEF RSCASRLALG DDSPALKEKR VGGVQSLGGT GALRIGADFL ARWYNGTNK NTPVYVSSPT WENHNAVFS A AGFKDIRSYR YWDAEKRLD LQGFLNDLEN APEFSIVVLH ACAHNPTGID PTPEQWKQIA SVMKHRFLFP FFDSAYQG- FA SGNLERDAWA IRYFVSEGFE FFCAQSFSKN FGLYNERVGN LTVVGKEPES ILQVLSQMEK IVRIT- WSNPP AQGARIVAST LSNPELFEEW TGNVKTADR ILTMRSELRA RLEALKTPGT WNHTDQIGM FSFTGLNPKQ VEYLVNEKHI YLLPSGRINV SGLTTKNLDY VATSIHEAVT KIQ.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	The GOT1 solution (0.5mg/ml) containing 20mM Tris-HCl pH-8.0, 2mM DTT, 0.1M NaCl & 20% glycerol. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	Specific activity is > 50 units/mg, and is defined as the amount of enzyme that converts 1umole of a-ketoglutarate to L-Glutamate per minute at pH 8.0 at 25C.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**