

# Human GOT1 Recombinant Protein



RPPB1723

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## Product Information    Protein Information

**Product SKU:**

RPPB1723

**Accession:**

P17174

**Host:**

Escherichia Coli.

**Protein 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.

**Appearance:**

Sterile filtered colorless solution.

**Synonyms:**

EC 2.6.1.1, Aspartate aminotransferase 1, Transaminase A, GIG18.

**Formulation:**

The GOT1 solution (0.5mg/ml) containing 20mM Tris-HCl pH-8.0, 2mM DTT, 0.1M NaCl & 20% glycerol.

**Purity:**

Greater than 95.0% as determined by SDS-PAGE.

**Stability:**

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.

**Amino Acid Sequence:**

MGSSHHHHHH SGLVPRGSH MAPPSVFAEV PQAQPVLVFK LTADFREDPD PRKVN LGVGA YRTDDCHPWV  
LPVVKKVEQK IANDNSLNHE YLPILGLAEF RSCASRLALG DDSPALKEKR VGGVQSLGGT GALRIGADFL  
ARWYNGTNNK NTPVYVSSPT WENHNAVFS A AGFKDIRSYR YWDAEKRGLD 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.

**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.