Recombinant Bovine GOT2 Protein (20-430 aa), His-SUMO-tagged

Cat. No. GOT2-1994B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Bovine GOT2 Protein (20-430 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Metabolism. Protein Description: Full Length of Mature Protein.
Species	Bovine
Source	E.coli
ProteinLength	20-430 aa
Description	Catalyzes the irreversible transamination of the L-tryptophan metabolite L-kynurenine to form kynurenic acid (KA). Plays a key role in amino acid metabolism. Important for metabolite exchange between mitochondria and cytosol. Facilitates cellular uptake of long-chain free fatty acids (By similarity).
Form	Tris-based buffer,50% glycerol
Molecular Mass	61.5 kDa
AA Sequence	GLAAAASARASSWWAHVEMGPPDPILGVTEAFKRDTNSKKMNLGVGAYRDDNGKP YVLPSVRKAEAQIAAKNLDKEYLPIAGLAEFCKASAELALGENNEVLKSGRYVTVQTI SGTGALRIGASFLQRFFKFSRDVFLPKPTWGNHTPIFRDAGMQLQSYRYYDPKTCG FDFTGAIEDISKIPAQSVILLHACAHNPTGVDPRPEQWKEMATVVKKNNLFAFFDMAY QGFASGDGNKDAWAVRHFIEQGINVCLCQSYAKNMGLYGERVGAFTVVCKDAEEA

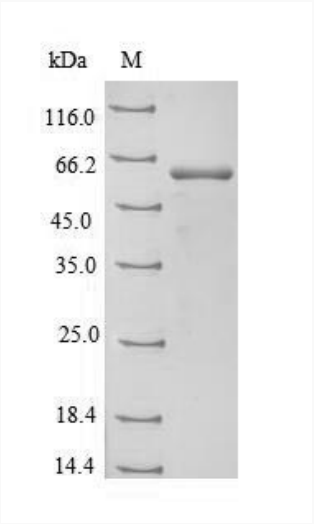
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	KRVESQLKILIRPMYSNPPINGARIASTILTSPDLRKQWLHEVKGMADRIISMRTQLVS NLKKEGSSHNWQHIIDQIGMFCYTGLKPEQVERLTKEFSIYMTKDGRISVAGVTSGN VAYLAHAIHQVTK
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name	GOT2 glutamic-oxaloacetic transaminase 2 [Bos taurus (cattle)]
Official Symbol	GOT2
Synonyms	GOT2;
Gene ID	286886
mRNA Refseq	NM_174806
Protein Refseq	NP_777231
UniProt ID	P12344

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA