

Serine--pyruvate aminotransferase Recombinant Protein | AGXT recombinant protein

Recombinant Human Serine--pyruvate aminotransferase

CATALOG # AAA113846	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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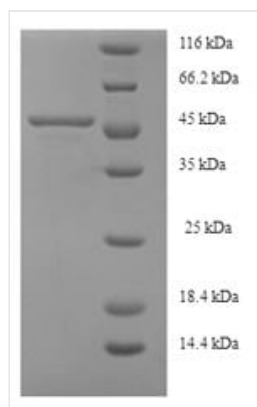
PRODUCT SYNONYMS

Serine--pyruvate aminotransferase; Recombinant Human Serine--pyruvate aminotransferase; Alanine-glyoxylate aminotransferase (EC:2.6.1.44); AGT; AGXT recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-392aa; Full Length
Sequence	MASHKLLVTP PKALLKPLSI PNQLLLGPGP SNLPPRIMAA GGLQMIGSMS KDMYQIMDEI KEGIQYVFQT RNPLTLVISG SGHCALEAAL VNVLEPGDSF LVGANGIWGQ RAVDIGERIG ARVHPMTKDP GGHYTLQEVE EGLAQHKPVL LFLTHGESST GVLQPLDGFG ELCHRYKCLL LVDSVASLGG TPLYMDRQGI DILYSGSQKA LNAPPGTSLI SFSDKAKKKM YSRKTKPFSF YLDIKWLANF WGCDDQPRMY HHTIPVISLY SLRESLALIA EQGLENSWRQ HREAAAYLHG RLQALGLQLF VKDPALRLPT VTTVAVPAGY DWRDIVSYVI DHFDIEIMGG LGPSTGKVL R IGLLCNATR ENVDRVTEAL RAALQHCPKK KL
Sequence Length	392
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Product Categories/Family for AGXT recombinant protein	Signal Transduction
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References

Cloning and nucleotide sequence of cDNA encoding human liver serine-pyruvate aminotransferase.Nishiyama K., Berstein G., Oda T., Ichiyama A.Eur. J. Biochem. 194:9-18(1990) Identification of mutations associated with peroxisome-to-mitochondrion mistargeting of alanine:glyoxylate aminotransferase in primary hyperoxaluria type 1.Purdue P.E., Takada Y., Danpure C.J.J. Cell Biol. 111:2341-2351(1990) Human peroxisomal L-alanine glyoxylate aminotransferase. Evolutionary loss of a mitochondrial targeting signal by point mutation of the initiation codon.Takada Y., Kaneko N., Esumi H., Purdue P.E., Danpure C.J.Biochem. J. 268:517-520(1990) Characterization and chromosomal mapping of a genomic clone encoding human alanine:glyoxylate aminotransferase.Purdue P.E., Lumb M.J., Fox M., Griffo G., Hamon-Benais C., Povey S., Danpure C.J.Genomics 10:34-42(1991) Complete sequencing and characterization of 21,243 full-length human cDNAs.Ota T., Suzuki Y., Nishikawa T., Otsuki T., Sugiyama T., Irie R., Wakamatsu A., Hayashi K., Sato H., Nagai K., Kimura K., Makita H., Sekine M., Obayashi M., Nishi T., Shibahara T., Tanaka T., Ishii S., Yamamoto J., Saito K., Kawai Y., Isono Y., Nakamura Y., Nagahari K., Murakami K., Yasuda T., Iwayanagi T., Wagatsuma M., Shiratori A., Sudo H., Hosoiri T., Kaku Y., Kodaira H., Kondo H., Sugawara M., Takahashi M., Kanda K., Yokoi T., Furuya T., Kikkawa E., Omura Y., Abe K., Kamihara K., Katsuta N., Sato K., Tanikawa M., Yamazaki M., Ninomiya K., Ishibashi T., Yamashita H., Murakawa K., Fujimori K., Tanai H., Kimata M., Watanabe M., Hiraoka S., Chiba Y., Ishida S., Ono Y., Takiguchi S., Watanabe S., Yosida M., Hotuta T., Kusano J., Kanehori K., Takahashi-Fujii A., Hara H., Tanase T.-O., Nomura Y., Togiya S., Komai F., Hara R., Takeuchi K., Arita M., Imose N., Musashino K., Yuuki H., Oshima A., Sasaki N., Aotsuka S., Yoshikawa Y., Matsunawa H., Ichihara T., Shiohata N., Sano S., Moriya S., Momiyama H., Satoh N., Takami S., Terashima Y., Suzuki O., Nakagawa S., Senoh A., Mizoguchi H., Goto Y., Shimizu F., Wakebe H., Hishigaki H., Watanabe T., Sugiyama A., Takemoto M., Kawakami B., Yamazaki M., Watanabe K., Kumagai A., Itakura S., Fukuzumi Y., Fujimori Y., Komiyama M., Tashiro H., Tanigami A., Fujiwara T., Ono T., Yamada K., Fujii Y., Ozaki K., Hirao M., Ohmori Y., Kawabata A., Hikiji T., Kobatake N., Inagaki H., Ikema Y., Okamoto S., Okitani R., Kawakami T., Noguchi S., Itoh T., Shigeta K., Senba T., Matsumura K., Nakajima Y., Mizuno T., Morinaga M., Sasaki M., Togashi T., Oyama M., Hata H., Watanabe M., Komatsu T., Mizushima-Sugano J., Satoh T., Shirai Y., Takahashi Y., Nakagawa K., Okumura K., Nagase T., Nomura N., Kikuchi H., Masuho Y., Yamashita R., Nakai K., Yada T., Nakamura Y., Ohara O., Isogai T., Sugano S.Nat. Genet. 36:40-45(2004) Generation and annotation of the DNA sequences of human chromosomes 2 and 4.Hillier L.W., Graves T.A., Fulton R.S., Fulton L.A., Pepin K.H., Minx P., Wagner-McPherson C., Layman D., Wylie K., Sekhon M., Becker M.C., Fewell G.A., Delehaunty K.D., Miner T.L., Nash W.E., Kremitzki C., Oddy L., Du H., Sun H., Bradshaw-Cordum H., Ali J., Carter J., Cordes M., Harris A., Isak A., van Brunt A., Nguyen C., Du F., Courtney L., Kalicki J., Ozersky P., Abbott S., Armstrong J., Belter E.A., Caruso L., Cedroni M., Cotton M., Davidson T., Desai A., Elliott G., Erb T., Fronick C., Gaige T., Haakenson W., Haglund K., Holmes A., Harkins R., Kim K., Kruchowski S.S., Strong C.M., Grewal N., Goyea E., Hou S., Levy A., Martinka S., Mead K., McLellan M.D., Meyer R., Randall-Maher J., Tomlinson C., Dauphin-Kohlberg S., Kozlowicz-Reilly A., Shah N., Swearengen-Shahid S., Snider J., Strong J.T., Thompson J., Yoakum M., Leonard S., Pearman C., Trani L., Radionenko M., Waligorski J.E., Wang C., Rock S.M., Tin-Wollam A.-M., Maupin R., Latreille P., Wendl M.C., Yang S.-P., Pohl C., Wallis J.W., Spieth J., Bieri T.A., Berkowicz N., Nelson J.O., Osborne J., Ding L., Meyer R., Sabo A., Shotland Y., Sinha P., Wohldmann P.E., Cook L.L., Hickenbotham M.T., Eldred J., Williams D., Jones T.A., She X., Ciccarelli F.D., Izaurrealde E., Taylor J., Schmutz J., Myers R.M., Cox D.R., Huang X., McPherson J.D., Mardis E.R., Clifton S.W., Warren W.C., Chinwalla A.T., Eddy S.R., Marra M.A., Ovcharenko I., Furey T.S., Miller W., Eichler E.E., Bork P., Suyama M., Torrents D., Waterston R.H., Wilson R.K.Nature 434:724-731(2005)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4557289
NCBI GeneID	189
NCBI Accession #	NP_000021.1
NCBI GenBank Nucleotide #	NM_000030.2
UniProt Accession #	P21549; Q53QU6
Molecular Weight	44.3 kDa
NCBI Official Full Name	serine--pyruvate aminotransferase
NCBI Official Synonym Full Names	alanine-glyoxylate aminotransferase
NCBI Official Symbol	AGXT
NCBI Official Synonym Symbols	AGT; PH1; SPT; AGT1; SPAT; TLH6; AGXT1
NCBI Protein Information	serine--pyruvate aminotransferase

UniProt Protein Name	Serine--pyruvate aminotransferase
UniProt Gene Name	AGXT
UniProt Synonym Gene Names	AGT1; SPAT; SPT; AGT
UniProt Entry Name	SPYA_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/agxt-recombinant-protein-e-coli/113846>