

Datasheet

Human AKR1B10 Recombinant Protein

Catalog Number: BGT-PPT-23898

Regulation Status: For research use only (RUO)

Product Description: Human AKR1B10 full-length ORF (AAH08837, 1 a.a. - 316 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MATFVELSTKAKMPIVGLGTWKSPLGKVKEAVKVAIDA
 GYRHIDCAYVYQNEHEVGEAIQEKIQEKA VKREDLFIV
 SKLWPTFFERPLVRKAFKTLKDLKLSYLDVYLIHWPO
 GFKSGDDLFPKDDKGN AIGGKATFLDAWEAMEELVDE
 GLVKALGVS NFSHFQIEKLLNKPGLKYKPV TNQAECHP
 YLTQEKL IQYCHSKGITV TAYSPLGSPDRPWAKPEDPS
 LLEDPKIKEIAAKHKKTAAQVLIRFHIQRNVIVIPKSVTPA
 RIVENIQVDFKLSDEEMATILSFNRNWRACNVLQSSH
 LEDYPFDAEY

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 60.50



Interspecies Antigen Sequence: Mouse (82); Rat (81)

Applications: AP, Array, ELISA, WB-Re

Preparation Method: in vitro wheat germ expression system

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 57016

Gene Symbol: AKR1B10

Gene Alias: AKR1B11, AKR1B12, ALDRLn, ARL-1, ARL1, HIS, HSI, MGC14103

Gene Summary: This gene encodes a member of the aldo/keto reductase superfamily, which consists of more than 40 known enzymes and proteins. This member can efficiently reduce aliphatic and aromatic aldehydes, and it is less active on hexoses. It is highly expressed in adrenal gland, small intestine, and colon, and may play an important role in liver carcinogenesis. [provided by RefSeq]