

Product datasheet

Recombinant Human AKR1B10 protein ab117185

Overview

Product name	Recombinant Human AKR1B10 protein
Protein length	Full length protein

Description

Nature	Recombinant
Source	Escherichia coli

Amino Acid Sequence

Accession	O60218
Species	Human
Sequence	MATFVELSTKAKMPIVGLGTWKSPLGKVKEAVKVAIDAGYRHIDCAYVYQ NEHEVGGEAIQEKIQEKAVKREDLFVSKLWPTFFERPLVRKAFEKTLKDL KLSYLDVYLIHWPQGFKSGDDLFPKDDKGNAIGGKATFLDAWEAMEELVD EGLVKALGVS NFSHFQIEKLLNKPGLKYKPV TNQVECHPYLTQEKLQYC HSKGITVTAYSPLGSPDRPWAKPEDPSLLEDPKIKEIAAKHKKTAAQVLI RFHIQRNVVMPKSVTPARVENIQVDFKLSDEEMATILSFNRNWRACN VLQSSHLEDYPFDAEY
Molecular weight	36 kDa
Amino acids	1 to 316

Specifications

Our [Abpromise guarantee](#) covers the use of **ab117185** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Purity	> 95 % SDS-PAGE. ab117185 is purified by proprietary chromatographic techniques.
Form	Liquid
Additional notes	Although stable at 4°C for 1 week, ab117185 should be stored desiccated below -18°C. Please prevent freeze thaw cycles.

Preparation and Storage

Stability and Storage

Shipped at 4°C. Please see notes section.

pH: 8.00

Constituents: 0.32% Tris HCl, 10% Glycerol

General Info

Function

Acts as all-trans-retinaldehyde reductase. Can efficiently reduce aliphatic and aromatic aldehydes, and is less active on hexoses (in vitro). May be responsible for detoxification of reactive aldehydes in the digested food before the nutrients are passed on to other organs.

Tissue specificity

Found in many tissues. Highly expressed in small intestine, colon and adrenal gland.

Sequence similarities

Belongs to the aldo/keto reductase family.

Cellular localization

Lysosome. Secreted. Secreted through a lysosome-mediated non-classical pathway.

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