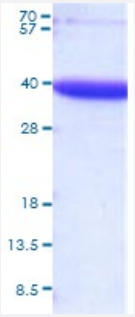
Bioactive Full-Length

AKR7A3 (Human) Recombinant Protein

Catalog # P6809 Size 5 ug

Applications



15% SDS-PAGE Stained with Coomassie Blue.

Specification

Product Description	Human AKR7A3 (AAH25709, 1 a.a. - 331 a.a.) full length recombinant protein expressed in *Escherichia coli*.
Host	Escherichia coli
Theoretical MW (kDa)	37.7
Form	Liquid
Preparation Method	*Escherichia coli* expression system
Purity	> 90% by SDS-PAGE
Endotoxin Level	< 1 EU/ug
Activity	Specific activity is > 800 pmol/min/ug, and is defined as the amount of enzyme that catalyze the reduction 1.0 pmole of 1,2-Naphthoquinone presence of NADPH per minute at pH 7.0 at 25°C.
Quality Control Testing	SDS-PAGE Stained with Coomassie Blue 15% SDS-PAGE Stained with Coomassie Blue.
Recommend Usage	SDS-PAGE The optimal working dilution should be determined by the end user.

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Storage Buffer	In 20 mM Tris-HCl, pH 8.5 (10% glycerol)
Storage Instruction	Store at -20°C. For long term storage store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — AKR7A3

Entrez GeneID	22977
Protein Accession#	O95154
Gene Name	AKR7A3
Gene Alias	AFAR2
Gene Description	aldo-keto reductase family 7, member A3 (aflatoxin aldehyde reductase)
Omim ID	608477
Gene Ontology	Hyperlink
Gene Summary	Aldo-keto reductases, such as AKR7A3, are involved in the detoxification of aldehydes and keton es.[supplied by OMIM
Other Designations	OTTHUMP00000002623|aflatoxin B1 aldehyde reductase 2|aldo-keto reductase family 7, memb er A3

Disease

- Adenocarcinoma
- Esophageal Neoplasms

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