

Recombinant Human AKR1C2 Protein

Catalog Number: PKSH032054

Note: Centrifuge before opening to ensure complete recovery of vial contents.

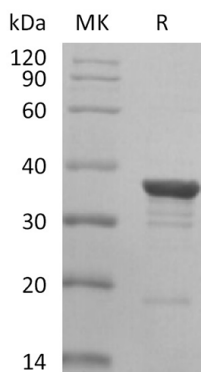
Description

| | |
|--------------|--|
| Species | Human |
| Source | E.coli-derived Human AKR1C2 protein Met 1-Tyr323 |
| Mol_Mass | 36.7 kDa |
| Accession | P52895 |
| Bio-activity | Not validated for activity |

Properties

| | |
|----------------|---|
| Purity | > 90 % as determined by reducing SDS-PAGE. |
| Endotoxin | < 1.0 EU per µg of the protein as determined by the LAL method. |
| Storage | Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles. |
| Shipping | This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C. |
| Formulation | Supplied as a 0.2 µm filtered solution of 20mM Tris-HCl, 100mM NaCl, 1mM DTT, pH 8.0. |
| Reconstitution | Not Applicable |

Data



> 90 % as determined by reducing SDS-PAGE.

Background

Aldo-Keto Reductase Family 1 Member C2 (AKR1C2) plays a role in concert with the 5- α /5- β -Steroid Reductases to convert Steroid hormones into the 3- α /5- α and 3- α /5- β -Tetrahydrosteroids. AKR1C2 catalyzes the inactivation of the most potent androgen 5- α -Dihydrotestosterone (5- α -DHT) to 5- α -Androstane-3- α , 17- β -diol (3- α -diol).