Recombinant Human AKR1C2 Protein

Catalog Number: PKSH032054

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

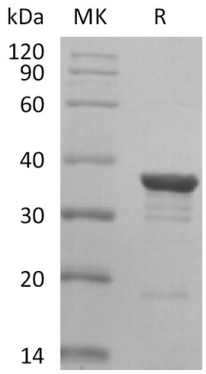
Description

Species	Human
Source	E.coli-derived Human AKR1C2 protein Met 1-Tyr323
Calculated MW	36.7 kDa
Observed MW	35 kDa
Accession	P52895
Bio-activity	Not validated for activity

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Concentration	Subject to label value.
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.

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).