

## 11-Beta-Hydroxysteroid Dehydrogenase Type 2 (HSD11b2) Recombinant Protein | HSD11b2 recombinant protein

Recombinant 11-Beta-Hydroxysteroid Dehydrogenase Type 2 (HSD11b2)

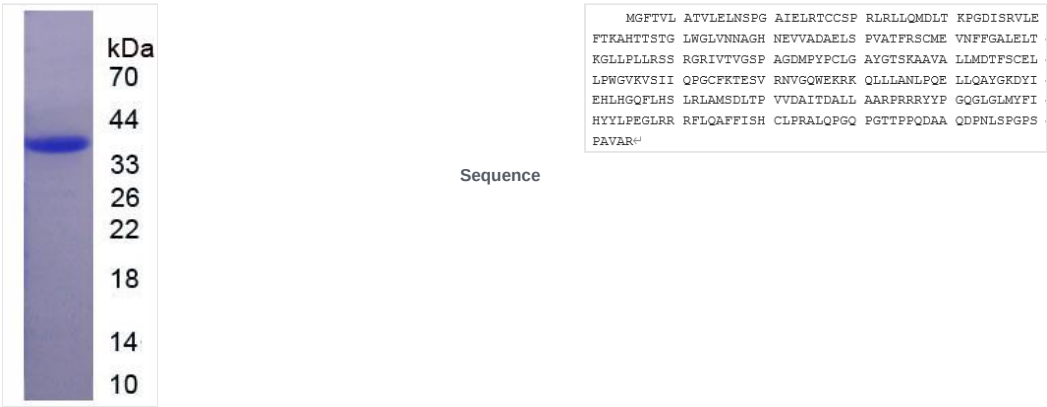
|                               |                       |                                               |
|-------------------------------|-----------------------|-----------------------------------------------|
| CATALOG #<br><b>AAA150735</b> | HOST<br><b>E Coli</b> | APPLICATIONS<br><b>Western Blot, SDS-Page</b> |
|-------------------------------|-----------------------|-----------------------------------------------|

### PRODUCT SYNONYMS

11-Beta-Hydroxysteroid Dehydrogenase Type 2 (HSD11b2); Recombinant 11-Beta-Hydroxysteroid Dehydrogenase Type 2 (HSD11b2); 11-Beta-Hydroxysteroid Dehydrogenase Type 2; AME; AME1; HSD11K; HSD2; SDR9C3; Short Chain Dehydrogenase/Reductase Family 9C; Member 3; NAD-dependent 11-beta-hydroxysteroid dehydrogenase; HSD11b2 recombinant protein

### PRODUCT SPECIFICATIONS

|                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                                    | E Coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Purity/Purification                                     | >90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Form/Format                                             | 20mM Tris, 150mM NaCl, pH8.0, containing 0.01% SKL, 5% Trehalose                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Applicable Applications for HSD11b2 recombinant protein | WB (Western Blot), SDS-PAGE, Immunogen, Positive Control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Source                                                  | Prokaryotic expression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Species                                                 | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Tag                                                     | N-terminal His Tag                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Endotoxin                                               | <1.0EU per 1ug (determined by the LAL method)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Traits                                                  | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Predicted isoelectric point                             | 8.8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Usage                                                   | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Residues                                                | Met105~Arg405                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Preparation and Storage                                 | <p><b>Storage:</b><br/>Avoid repeated freeze/thaw cycles.<br/>Store at 2-8 degree C for one month.<br/>Aliquot and store at -80 degree C for 12 months.</p> <p><b>Stability Test:</b><br/>The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.</p> |



SDS-PAGE  
Figure.SDS-PAGE

ADDITIONAL INFORMATION

|                                                           |                                          |
|-----------------------------------------------------------|------------------------------------------|
| Product Categories/Family for HSD11b2 recombinant protein | Enzyme & Kinase; Recombinant proteins/RP |
|-----------------------------------------------------------|------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                    |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 119392083                                                                                                          |
| NCBI GeneID                      | 3291                                                                                                               |
| NCBI Accession #                 | NP_000187.3                                                                                                        |
| NCBI GenBank Nucleotide #        | NM_000196.3                                                                                                        |
| UniProt Accession #              | P80365; Q13194; Q6P2G9; Q8N439; Q96QN8; Q9UC50; Q9UC51; Q9UCW5; Q9UCW6; Q9UCW7; A7LB28; C5HTY7                     |
| Molecular Weight                 | Predicted Molecular Mass: 36.7kDa<br>Accurate Molecular Mass: 39kDa as determined by SDS-PAGE reducing conditions. |
| NCBI Official Full Name          | corticosteroid 11-beta-dehydrogenase isozyme 2                                                                     |
| NCBI Official Synonym Full Names | hydroxysteroid (11-beta) dehydrogenase 2                                                                           |
| NCBI Official Symbol             | HSD11B2                                                                                                            |
| NCBI Official Synonym Symbols    | AME; AME1; HSD2; HSD11K; SDR9C3                                                                                    |
| NCBI Protein Information         | corticosteroid 11-beta-dehydrogenase isozyme 2                                                                     |
| UniProt Protein Name             | Corticosteroid 11-beta-dehydrogenase isozyme 2                                                                     |
| UniProt Gene Name                | HSD11B2                                                                                                            |
| UniProt Synonym Gene Names       | ; 11-DH2; 11-beta-HSD2; 11-HSD type II; 11-beta-HSD type II; 11-beta-HSD                                           |
| UniProt Entry Name               | DHI2_HUMAN                                                                                                         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.