

## PRODUCT DATA SHEET

### IGFBP-2 Human E. coli

**Cat. No.:** RD172583100

**Size:** 0.1 mg

**Source:** E. coli

**Type:** Recombinant protein

**Species:** Human

#### Other Names:

IGFBP-2, Insulin-Like Growth Factor Binding Protein-2

#### Description:

Total 297 AA. MW: 32.4 kDa (calculated). UniProtKB acc. no. P18065 (Ala36-Gln325). N-terminal His-tag (7 extra AA). Protein identity confirmed by MS.

#### Amino Acid Sequence:

MHHHHHHAEEV LFRCPPTPE RLAACGPPPV APPAAVAAVA GGARMPCAEL VREPGCGCCS  
VCARLEGEAC GVTYPRCGQG LRCYPHPGSE LPLQALVMGE GTCEKRRDAE YGASPEQVAD  
NGDDHSEGLL VENHVDSTMN MLGGGGSAGR KPLKSGMKEL AVFREKVTEQ HRQMGKGGKH  
HLGLEEPKKL RPPPARTPCQ QELDQVLERI STMRLPDERG PLEHLYSLHI PNCDKHGLYN  
LKQCKMSLNG QRGECWCVNP NTGKLIQGAP TIRGDPECHL FYNEQQEARG VHTQRMQ

#### Purity:

> 90 % by SDS-PAGE

#### Endotoxin:

< 1.0 EU/μg

#### Formulation:

Filtered (0.4 μm) and lyophilized from 0.5 mg/ml solution in phosphate buffered saline, pH 7.5.

#### Reconstitution:

Add deionized water to prepare a working stock solution of approximately 0.5 mg/ml and let the lyophilized pellet dissolve completely.

#### Shipping:

At ambient temperature. Upon receipt, store the product at the temperature recommended below.

#### Storage/Stability:

Store lyophilized protein at -80°C. Lyophilized protein remains stable until the expiry date when stored at -80°C. Aliquot reconstituted protein to avoid repeated freezing/thawing cycles and store at -80°C for long term storage. Reconstituted protein can be stored at 4°C for a week.

**Quality Control:**

BCA to determine quantity of the protein.  
SDS PAGE to determine purity of the protein.  
Endotoxin level determination.

**Applications:**

ELISA, Western blotting

**Note:**

This product is intended for research use only.