

Transferrin Protein, Rat, Recombinant (His & KSI)

General Information

Synonyms: Siderophilin;Transferrin;Beta-1 metal-binding globulin;Liver regeneration-related protein LRRG03;Sero-transferrin;Tf

Protein Construction: 20-698 aa

Species: Rat

Expression Host: E. coli

Accession: P12346

Molecular Weight: 89.9 kDa (predicted)

AA Sequence: VPKDKTVKWCVAEHEHTKICISFRDHMKTVLPADGPRLACVKKTSYQDCIKAISGGADAITLDGGWVYDAGLTPNNLKPVAAEFYGSLEHPQTHYLAVAVVKKGTDFQLNQLQGKKSCHTGLGRSAGWIPIGLLFCNLPEPRKP
LEKAVASFFSGSCVPCADPVAFPQLCQLCPGCGCSPTQPPFGYVGAFKCLRGGGDVAFVKHTTIFEVLPQKA
DRDQYELLCLDNTRKPVDPQYEDCYLARIPSHAVVARNGDGKEDLIWEILKVAQEHFGKGSKDFQLFGSPLG
KDLLFKDSAFGLLRVPPRMDYRLYLGHSHYVTAIRNQREGVCPESIDSAPVKWCALSHQERAKCDEWSVSSN
GQIECESAESTEDCIDKIVNGEADAMSLDGGHAYIAGQCGLVPVMAENYDISSCTNPQSDVFPKGYAVAVV
KASDSSINWNNLKGKKSCHTGVDRTAGWNIPMGLLFSRINHCKFDEFFSQGCAPGYKKNSTLCDLCIGPAKC
APNNREGYNGYTGAFOQLVEKGDVAFVKHQTVLENTNGKNNTAAWAKDLKQEDFQLLCPDGTGKPKVTEFATC
HLAQAPNHVVVSRKEKAAARVSTVLTAQKDLFWKGDGDKDCTGNFCLFRSSTKDLLFRDDTKCLTKLPEGTTYEY
LGAEYLQAVGNIRKCSSTRLLLEACTFHKS

QC Testing

Biological Activity: Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.

Purity: > 85% as determined by SDS-PAGE.

Endotoxin: < 1.0 EU/μg of the protein as determined by the LAL method.

Formulation: Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Transferrins are iron binding transport proteins which can bind two Fe(3+) ions in association with the binding of an anion, usually bicarbonate. It is responsible for the transport of iron from sites of absorption and heme degradation to those of storage and utilization. Serum transferrin may also have a further role in stimulating cell proliferation.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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