

ERYTHROPOIETIN ALPHA Active Protein | EPO active protein

RECOMBINANT HUMAN ERYTHROPOIETIN ALPHA

CATALOG # AAA50528	APPLICATIONS Functional Assay
------------------------------	---

PRODUCT SYNONYMS

ERYTHROPOIETIN ALPHA; RECOMBINANT HUMAN ERYTHROPOIETIN ALPHA; EPO active protein

PRODUCT SPECIFICATIONS

Purity/Purification	>98.0% by HPLC analysis and SDS-PAGE
Form/Format	Recombinant protein - lyophilised
Concentration	Total protein concentration 0.2mg/ml after reconstitution (varies by lot)
Sequence Length	193
Applicable Applications for EPO active protein	FA (Functional Assay)
Reconstitution	Reconstitute with 250ul sterile deionised water. Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. AAA Biotech recommends that the vial is gently mixed after reconstitution. For long term storage the addition of a carrier protein (0.1% HSA or BSA) is recommended.
Buffer Solution	Citrate buffered saline
Activity	The specific activity was measured by normocythaemic mice and found to be 150,000 IU/mg
Target Species	Human
Preparation and Storage	Prior to reconstitution store at 4 degree C. After reconstitution store at -20 degree C. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 12 months from date of reconstitution.

ADDITIONAL INFORMATION

Related Product Information for EPO active protein	MBS232058 is recombinant human erythropoietin alpha, produced in CHO cells. It is a single polypeptide chain containing 166 amino acids with a predicted molecular mass of 21,000 Daltons and an apparent molecular mass of 30,400 Daltons.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	62240997
NCBI GeneID	2056
NCBI Accession #	NP_000790.2
NCBI GenBank Nucleotide #	NM_000799.2
UniProt Accession #	P01588 ; Q2M2L6 ; Q549U2 ; Q9UDZ0 ; Q9UEZ5 ; Q9UHA0
Molecular Weight	21,307 Da
NCBI Official Full Name	erythropoietin

NCBI Official Synonym Full Names	erythropoietin
NCBI Official Symbol	EPO
NCBI Official Synonym Symbols	EP; MVCD2
NCBI Protein Information	erythropoietin; epoetin
UniProt Protein Name	Erythropoietin
UniProt Gene Name	EPO
UniProt Entry Name	EPO_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/active-protein/erythropoietin-alpha/50528>