

SIL-EPO protein standard – Arg/Lys ¹³ C ¹⁵ N labelling	
Human EPO (Uniprot accession number P01588)	
Product Description	Recombinant human erythropoietin (EPO) was expressed in CHO cells with polyHis purification tag and purified using proprietary method including two steps of affinity chromatography.
Protein sequence	APRLICDSRVLERYLLEAKEAENITGCAEHCSLNENITVPDTKVNIFYAWKR MEVGQQAVEVWQGLALLSEAVLRGQALLVNSSQPWEPLQLHVDKAVSGLRS LTLLRALGAQKEAISPDAASAAPLRITITADTFRKLFVYSNFLRGKLYTG EACRTGDHHHHH
Predicted Molecular Mass	18.4 kDa EPO run with apparent molecular mass of 35-40 kDa due to glycosylation.
Expression system	CHO (Chinese Hamster Ovary) cell line
Purity	Greater than 90% as determined by SDS-PAGE analysis
Labelling	ARG- ¹³ C ₆ , ¹⁵ N ₄ and LYS- ¹³ C ₆ , ¹⁵ N ₄ >99% as determined by LC-MS/MS analysis of trypsin digested SIL-protein
Tag information	PolyHis tag at the C-terminus
Protein Content	Quantitation is carried out by BCA protein assay using BSA as standard.
Formulation	Lyophilized - PBS buffer Reconstitute by adding H ₂ O
Shipping and storage	The product is supplied as a lyophilized powder and shipped at room temperature. Store at -20°C upon receipt. After reconstitution, protein can be kept at 4°C for a few weeks.
Usage	The product is for research use only. Not for diagnostic or therapeutic use.
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