

Product datasheet for PH302247

Hemoglobin subunit epsilon (HBE1) (NM_005330) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	HBE1 MS Standard C13 and N15-labeled recombinant protein (NP_005321)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202247
Predicted MW:	16.2 kDa
Protein Sequence:	>RC202247 protein sequence Red =Cloning site Green =Tags(s) MVHFTAEEKAAVTSLSKMNVEEAGGEALGRLLVYYPWTRFRFDSFGNLSPPSAILGNPKVKAHGKVLTSFGDAIKNMDNLKPAFAKLSLHCDKLHVDPENFKLLGNVMVILATHFGKEFTPEVQAAWQKLVSAVAIALAHKYH TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_005321
RefSeq Size:	816
RefSeq ORF:	441
Synonyms:	HBE
Locus ID:	3046
UniProt ID:	P02100 , D9YZU7

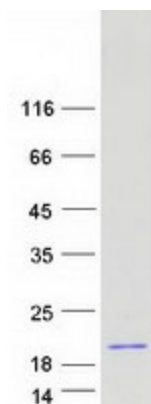


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Cytogenetics: 11p15.4

Summary: The epsilon globin gene (HBE) is normally expressed in the embryonic yolk sac: two epsilon chains together with two zeta chains (an alpha-like globin) constitute the embryonic hemoglobin Hb Gower I; two epsilon chains together with two alpha chains form the embryonic Hb Gower II. Both of these embryonic hemoglobins are normally supplanted by fetal, and later, adult hemoglobin. The five beta-like globin genes are found within a 45 kb cluster on chromosome 11 in the following order: 5'-epsilon - G-gamma - A-gamma - delta - beta-3' [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified HBE1 protein (Cat# [TP302247]). The protein was produced from HEK293T cells transfected with HBE1 cDNA clone (Cat# [RC202247]) using MegaTran 2.0 (Cat# [TT210002]).