

Recombinant Full Length Human HBA2 Protein, C-Flag-tagged

Cat. No. HBA2-856HFL Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human HBA2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	<p>The human alpha globin gene cluster located on chromosome 16 spans about 30 kb and includes seven loci: 5'- zeta - pseudozeta - mu - pseudoalpha-1 - alpha-2 - alpha-1 - theta - 3'. The alpha-2 (HBA2) and alpha-1 (HBA1) coding sequences are identical. These genes differ slightly over the 5' untranslated regions and the introns, but they differ significantly over the 3' untranslated regions. Two alpha chains plus two beta chains constitute HbA, which in normal adult life comprises about 97% of the total hemoglobin; alpha chains combine with delta chains to constitute HbA-2, which with HbF (fetal hemoglobin) makes up the remaining 3% of adult hemoglobin. Alpha thalassemias result from deletions of each of the alpha genes as well as deletions of both HBA2 and HBA1; some nondeletion alpha thalassemias have also been reported.</p>
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	15.1 kDa
AA Sequence	MVLSPADKTNVKAAWGKVGGAHAGEYGAEALERMFLSFPTTKTYFPHFDLSHGSAQ VKGHGKQVADALTNA VAHVDDMPNALSALSSDLHAHKLKLRVDPVNFKLLSHCLLVTLA

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AHLPAEFTPAVHASLDKFLASVSTVLTSK
YRTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining.

Stability Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Storage Store at -80 centigrade.

Concentration >50 ug/mL as determined by microplate BCA method.

Preparation Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Full Length Full L.

GENE INFORMATION

Gene Name [HBA2 hemoglobin subunit alpha 2 \[Homo sapiens \(human\) \]](#)

Official Symbol [HBA2](#)

Synonyms HBH; ECT7; HBA-T2

Gene ID [3040](#)

mRNA Refseq [NM_000517.6](#)

Protein Refseq [NP_000508.1](#)

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MIM	141850
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UniProt ID	P69905
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